Electronic Supplementary Material (ESI) for Organic Chemistry Frontiers.

Supporting Information

Characteristic guaiane sesquiterpenes from *Daphne penicillate* and ECD/NMR-based assignment of C-1 configuration

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Experimental section

General experimental procedures

HRESIMS measurements were tested on a Micro Q-TOF spectrometer (Bruker Daltonics, Billerica, USA). Optical rotations and ECD spectra were recorded on JASCO DIP-370 digital polarimeter (JASCO Corp., Japan) at 20 °C and Bio-Logic Science MOS-450 spectrometer (Bio-Logic Science Instruments, Seyssinet-Pariset, France). IR and UV spectra were obtained on Bruker IFS-55 spectrometer (Bruker Corp., Karlsruhe, Germany) and Shimadzu UV-1700 spectrometer (Shimadzu, Tokyo, Japan), respectively. NMR spectra were performed on Bruker AVIII-600 spectrometers (Bruker Corp., Bremen, Germany) and TMS was employed as internal standard. Column chromatography was used with silica gel (200-300 mesh, Marine Chemical Inc., China). CHP20 (25–100 μm, Green Herbs Science and Technology Development Corp., Beijing, China). Preparative HPLC separations were carried out by Shimadzu LC-20AR liquid chromatography system with an SPD-20A UV detector (Shimadzu, Kyoto, Japan), and a YMC Pack ODS column (C_{18}, 250 × 10 mm, 5 μm, YMC Corp, Kyoto, Japan) were used. The melting point was obtained on an X-6 melting point apparatus (Beijing TECH Instrument Corp., China).

Plant material

The aerial parts of *Daphne penicillata* were collected from Wenchuan County, Aba Prefecture, Sichuan Province, China, in July 2019 (N31°29′51.52″, E103°38′14.35″). and authenticated by Prof. Jincai Lu (School of Traditional Chinese Materia Medica, Shenyang Pharmaceutical University). The voucher sample (No. MJ20190701) was deposited in the herbarium of Shenyang Pharmaceutical University.

Extraction and isolation

The dried herbs of *Daphne penicillata* (48.0 kg) were extracted under reflux conditions using 75% aqueous EtOH (50 L × 3 times × 4 hours). The percolates were combined and evaporated under reduced pressure to afford a crude extract. The extract was suspended in water and successively partitioned with EtOAc and *n*-BuOH. The EtOAc extract (600 g) and *n*-BuOH (1200 g) were subjected

to silica gel column using CH_2Cl_2-MeOH (100:1-1:1, *v*/*v*) as gradient eluents to afford four fractions (Fr.A-D). Fr.A (200 g) was separated by polyamide chromatography eluted with 20% and 70% EtOH to obtain two fractions (Fr.A1 to Fr.A2), then Fr.A1 (90 g) was subjected to column chromatography on HP20 resin with H_2O, 20%, 50% and 90% EtOH to give two fractions (Fr.A1-1 and Fr.A1-2). Fr.A1-2 (35 g) were separated by ODS column chromatography, eluted with a gradient of MeOH-H_2O from 10:90 to 60:40, respectively. and then redistributed in five fractions (Fr.1-5) based on HPLC analysis. Among them, Fr.3 (15 g) was subjected to silica gel CC eluting with petroleum ether/EtOAc (*v*/*v*, 100:1 to 5:1) to yield five fractions (Fr.3.1–Fr.3.4). Fr.3.1 (2.4 g) was separated by RP-C18 preparative HPLC using MeOH/H_2O (55:45) to obtain three fractions (Fr.3.1.1–Fr.3.1.4). **1** (5.0 mg, t_R = 10.3 min), **2** (3.0 mg, t_R = 12.5 min) **5** (3.0 mg, t_R = 20.4 min) and **6** (10.0 mg, t_R = 28.3 min) was obtained from Fr.3.1.1 (91.5 mg) by semipreparative HPLC eluted with CH_3CN-H_2O (20:80, 2.5 mL/min). **3** (2.0 mg, t_R = 15.8 min), **4** (5.0 mg, t_R = 21.2 min), **7** (2.0 mg, t_R = 22.9 min) and **9** (1.5 mg, t_R = 30.5 min) was isolated from Fr.3.1.3 (52.6 mg) and Fr.3.1.4 (80.5 mg) by semipreparative HPLC eluted with CH_3CN-H_2O (25:75, 2.5 mL/min).

Fr.3.2 (3.9 g) and Fr.3.3 (2.9 g) were separated by preparative HPLC using MeOH/H_2O (50:50) to obtain the following fractions (Fr.3.2.1–Fr.3.2.8 and Fr.3.3.1–Fr.3.3.5). **8** (6.5 mg, t_R = 20.1 min), **10** (3.0 mg, t_R = 20.9 min), **12** (4.0 mg, t_R = 32.3 min), **13** (4.5 mg, t_R = 33.5 min) and **15** (1.5 mg, t_R = 38.3 min) was obtained from Fr.3.2.2 (81.5 mg) and Fr.3.2.3 (87.3 mg) by semipreparative HPLC (CH_3CN-H_2O, 26:74, 2.5 mL/min). Fr.3.2.5 (101.5 mg) and Fr.3.2.7 (79.2 mg) were separated by semipreparative HPLC with CH_3CN-H_2O (22:78, 2.5 mL/min) to afford **11** (2.5 mg, t_R = 16.7 min), **14** (3.5 mg, t_R = 19.3 min), **16** (2.5 mg, t_R = 20.2 min), **17** (2.5 mg, t_R = 24.3 min) and **20** (6.7 mg, t_R = 34.2 min). Similarly, **18** (3.5 mg, t_R = 21.3 min), **19** (4.0 mg, t_R = 23.5 min), **21** (4.5 mg, t_R = 26.2 min), **22** (2.5 mg, t_R = 29.6 min), **24** (1.5 mg, t_R = 32.8 min) and **25** (1.5 mg, t_R = 39.1 min) was obtained from Fr.3.3.1 (79.2 mg) and Fr.3.3.3 (64.3mg) by semipreparative HPLC with CH_3CN-H_2O (20:80, 2.5 mL/min).

Fr.4 (3.9 g) and Fr.5 (4.2 g) was separated by RP-C18 preparative HPLC using MeOH/H_2O (42:58) to obtain the following fractions (Fr.4.1.1–Fr.4.2.4 and Fr.5.1.1–Fr.5.2.4). Among them, Fr.4.1.2 (78.3 mg) and Fr 4.1.3 (64.5 mg) were separated by semipreparative HPLC with CH_3CN-H_2O (33:67, 2.5 mL/min) to afford **23** (3.0 mg, t_R = 12.8 min), **26** (3.0 mg, t_R = 13.5 min), **27** (1.5 mg, t_R = 16.1 min), **29** (2.0 mg, t_R = 17.4 min) **33** (4.5 mg, t_R = 19.2 min) and **34** (5.0 mg, t_R = 22.5 min). Fr.5.2.3 (110.8 mg) was separated by semipreparative HPLC eluting with CH_3CN/H_2O (28:72, 2.5 mL/min) to give **28** (1.5 mg, t_R = 7.8 min), **30** (2.0 mg, t_R = 12.1 min), **31** (3.5 mg, t_R = 13.9 min), **32** (2.0 mg, t_R = 15.4 min), **35** (5.5 mg, t_R = 19.2 min). Fr.5.2.4 (94.7 mg) was purified by HPLC eluting with CH_3CN/H_2O (25:75, 2.5 mL/min) to give **36** (1.5 mg, t_R = 17.3 min), **37** (2.5 mg, t_R = 22.6 min), **38** (1.5 mg, t_R = 24.3 min), **39** (2.5 mg, t_R = 25.7 min) and **40** (1.5 mg, t_R = 32.4 min).

Daphnenicillata A (1): colorless oil $[\alpha]_D^{20}$ +28.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 240 nm (1.43), 287 nm (0.56); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 193 (−9.22), 209 (−5.75), 240 (+2.13), 290 (−4.75) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S1; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd

for $C_{18}H_{22}O_2Na$, 309.1461; Found 309.1471.

Daphnenicillata B (5): colorless oil; $[\alpha]_D^{20}$ +40.2 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 241 nm (0.84), 292 nm (0.01); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 260 (+15.13), 313 (−213.75) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S1; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{22}O_3Na$, 273.1461; Found 273.1472.

Daphnenicillata C (6): colorless oil; $[\alpha]_D^{20}$ +46.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 240 nm (3.50), 299 nm (0.06); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 267 (+15.65), 317 (−195.85) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S2; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{22}O_4Na$, 289.1410; Found 289.1411.

Daphnenicillata D (7): colorless oil; $[\alpha]_D^{20}$ +53.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 238 nm (0.31), 298 nm (0.01); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 193 (−5.13), 226 (+6.34), 247 (−11.87), 315 (+1.98) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S2; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{24}O_3Na$, 287.1618; Found 287.1609.

Daphnenicillata E (8): colorless oil; $[\alpha]_D^{20}$ +27.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 239 nm (1.01), 297 nm (0.06); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 225 (−7.21), 247 (+11.87), 315 (−1.98) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S2; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{24}O_3Na$, 287.1618; Found 287.1609.

Daphnenicillata F (9): colorless oil; $[\alpha]_D^{20}$ +47.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 236 nm (0.46); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−3.27), 214 (+13.76), 247 (−35.65), 321 (+7.95) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S2; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{24}O_4Na$, 303.1567; Found 303.1570.

Daphnenicillata G (10): colorless crystal; m.p.: 180−182 °C; $[\alpha]_D^{20}$ +29.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 236 nm (0.46); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 215 (+3.27), 251 (−35.47), 323 (+13.63) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S2; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd

for $C_{14}H_{20}O_3Na$, 259.1305; Found 259.1307.

Daphnenicillata H (11): colorless oil; $[\alpha]_D^{20}$ +64.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 237 nm (1.13); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 261 (+38.88), 317 (−150.32) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S3; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{14}H_{18}O_3Na$, 257.1148; Found 257.1182.

Daphnenicillata I (12): colorless oil; $[\alpha]_D^{20}$ +32.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 239 nm (2.00), 295 nm (0.05); ECD (MeOH) λmax ($\Delta\varepsilon$) 263 (−37.38), 317 (−59.76) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S3; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_2Na$, 255.1356; Found 255.1351.

Daphnenicillata J (13): colorless oil; $[\alpha]_D^{20}$ +48.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 237 nm (3.14), 303 nm (0.04); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 197 (−7.35), 213 (−11.42), 247 (+27.89), 315 (−6.06) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S3; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_3Na$, 271.1305; Found 271.1295.

Daphnenicillata K (14): colorless oil; $[\alpha]_D^{20}$ +40.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 279 nm (0.03); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−2.99), 245 (+13.89), 315 (−6.57) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S3; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_3Na$, 271.1305; Found 271.1307.

Daphnenicillata L (15): colorless oil; $[\alpha]_D^{20}$ +41.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 279 nm (0.07); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−9.87), 243 (−17.96), 313 (+7.65) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S3; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{15}H_{21}O_3$, 249.1485; Found 249.1486.

Daphnenicillata M (16): colorless oil; $[\alpha]_D^{20}$ +21.5 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 275 nm (1.52); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 209 (−22.44), 245 (+37.73), 321 (−10.84) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S4; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_3Na$, 273.1305;

Found 271.1294.

Daphnenicillata N (17): colorless oil; $[\alpha]_D^{20}$ +58.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 236 nm (1.22); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−7.26), 214 (−4.96), 247 (+31.65), 314 (−10.85) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S4; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_4Na$, 287.1254; Found 287.1232.

Daphnenicillata O (18): colorless oil; $[\alpha]_D^{20}$ +56.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 242 nm (0.98); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 193 (−15.95), 221 (+20.96), 310 (−6.75) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S4; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{15}H_{23}O_2$, 235.1693; Found 235.1692.

Daphnenicillata P (23): colorless oil; $[\alpha]_D^{20}$ +50.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 244 nm (1.95), 288 nm (0.02); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 193 (−8.95), 247 (+25.64), 313 (−3.75) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S5; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{15}H_{23}O_2$, 235.1693; Found 235.1697.

Daphnenicillata Q (24): colorless oil; $[\alpha]_D^{20}$ +62.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 242 nm (1.35), 286 nm (0.09); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 220 (+35.32), 264 (+17.84) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S5; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{22}O_2Na$, 257.1512; Found 257.1509.

Daphnenicillata R (25): colorless oil; $[\alpha]_D^{20}$ +38.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 239 nm (0.65); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 208 (−11.37), 245 (+31.34) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S5; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{15}H_{25}O_2$, 237.1849; Found 237.1846.

Daphnenicillata S (26): colorless oil; $[\alpha]_D^{20}$ +30.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 240 nm (2.03); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 203 (−27.84), 245 (−8.32), 265 (+20.34), 310 (−14.25) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S6; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{24}O_2Na$, 259.1669; Found 259.1668.

Daphnenicillata T (27): colorless crystal; m.p.: 192−194 ℃; $[\alpha]_D^{20}$ +32.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 233 nm (0.29), 287 nm (0.02); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−42.94), 252 (+4.15) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S6; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{22}O_3Na$, 273.1461; Found 273.1462.

Daphnenicillata U (28): colorless crystal; m.p.: 185−187 ℃; $[\alpha]_D^{20}$ +24.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 243 nm (1.11), 287 nm (0.04); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 216 (+53.65), 251 (−107.95) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S6; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{15}H_{23}O_2$, 235.1693; Found 235.1739.

Daphnenicillata V (29): colorless crystal; m.p.: 200−202 ℃; $[\alpha]_D^{20}$ +44.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 226 nm (1.31); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 220 (+12.65), 248 (−9.85) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S6; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{22}O_3Na$, 273.1461; Found 273.1466.

Daphnenicillata W (30): colorless oil; $[\alpha]_D^{20}$ +29.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 240 nm (0.38), 299 nm (0.17); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 192 (−16.13), 214 (−14.85), 251 (+22.64), 313 (−8.75) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S6; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{15}H_{20}O_2Na$, 255.1356; Found 255.1353.

Daphnenicillata X (33): colorless oil; $[\alpha]_D^{20}$ +65.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 241 nm (1.49); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 213 (−22.43), 230 (+5.34), 265 (+37.34), 312 (−43.37) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S7; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{23}O_2Na$, 247.1693; Found 247.1697.

Daphnenicillata Y (34): colorless oil; $[\alpha]_D^{20}$ +29.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 243 nm (0.28), 293 nm (0.09); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 210 (−16.76), 247 (+31.45), 314 (−15.13) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S7; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{22}O_3Na$, 285.1461; Found 285.1469.

Daphnenicillata Z (35): colorless oil; $[\alpha]_D^{20}$ +53.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 236 nm (0.66), 293 nm (0.35); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 191 (−6.53), 206 (−7.76), 225 (+8.34), 247 (−11.34), 285 (−8.13) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S7; HRMS (ESI) *m/z*: $[M+H]^+$ calcd for $C_{16}H_{23}O_3$, 263.1642; Found 263.1619.

Minjiangpenicillata A (36): colorless oil; $[\alpha]_D^{20}$ +58.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 233 nm (0.29), 287 nm (0.02); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 195 (−42.94), 252 (+4.15) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S8; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{26}O_4Na$, 305.1723; Found 305.1722.

Minjiangpenicillata B (37): colorless oil; $[\alpha]_D^{20}$ +39.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 206 nm (1.91); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 183 (+23.65), 195 (−8.25), 210 (+4.93), 251 (+51.93), 309 (−5.34) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S8; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{26}O_4Na$, 305.1723; Found 305.1737.

Minjiangpenicillata C (38): colorless oil; $[\alpha]_D^{20}$ +27.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 243 nm (0.43); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 193 (−8.73), 210 (+14.72), 258 (+5.34) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S8; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{26}O_3Na$, 289.1774; Found 289.1743.

Minjiangpenicillata D (39): colorless oil; $[\alpha]_D^{20}$ +65.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 234 nm (0.22); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 212 (+9.15), 237 (−21.15) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S8; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{22}O_4Na$, 301.1410; Found 301.1420.

Minjiangpenicillata E (40): colorless oil; $[\alpha]_D^{20}$ +59.0 (c 0.10, MeOH); UV (MeOH) λ_{max} (logε): 234 nm (0.68); ECD (MeOH) λ_{max} ($\Delta\varepsilon$) 227 (−29.94) nm. The ^{1}H NMR ($CDCl_3$, 600 MHz) and ^{13}C NMR data ($CDCl_3$, 150 MHz), see Table S8; HRMS (ESI) *m/z*: $[M+Na]^+$ calcd for $C_{16}H_{22}O_4Na$, 301.1410; Found 301.1432.

Crystal data for 3:

orthorhombic, $C_{15}H_{22}O_3$, P 21 21 21, a = 5.9836(2) Å, b = 12.5695(4) Å, c = 17.9850(6) Å, V = 1352.67(8) Å3, Z = 4, T = 153(2) K, μ(Cu Kα) = 0.673 mm^{-1}, Dcalc = 1.229 g/cm^3, 8192 reflections measured (4.29° ≤ θ ≤ 68.28°), 2458 unique (Rint = 0.0260), which were used in all calculations. The final R1 was 0.0289 (I > 2σ(I)), and wR2 was 0.0698 (all data). Flack parameter = −0.04(5). CCDC No: 2195139.

Crystal data for 4:

monoclinic, $C_{15}H_{22}O_3$, P 1 21 1, a = 5.3597(3) Å, b = 8.4494(4) Å, c = 8.4494(4) Å, V = 678.39(6) Å3, Z = 2, T = 164(2) K, μ(Cu Kα) = 0.671 mm^{-1}, Dcalc = 1.225 g/cm^3, 3899 reflections measured (2.95° ≤ θ ≤ 68.40°), 2107 unique (Rint = 0.0317), which were used in all calculations. The final R1 was 0.0648 (I > 2σ(I)), and wR2 was 0.1962 (all data). Flack parameter = −0.20(3). CCDC No: 2195138.

Crystal data for 10:

orthorhombic, $C_{14}H_{20}O_3$, P 21 21 21, a = 5.1817(2) Å, b = 9.2698(4) Å, c = 27.2715(13) Å, V = 1309.94(10) Å3, Z = 4, T = 153(2) K, μ(Cu Kα) = 0.667 mm^{-1}, Dcalc = 1.198 g/cm^3, 6483 reflections measured (3.24° ≤ θ ≤ 53.74°), 1574 unique (Rint = 0.0463), which were used in all calculations. The final R1 was 0.0297 (I > 2σ(I)), and wR2 was 0.0634 (all data). Flack parameter = −0.01(5). CCDC No: 2195140.

Crystal data for 20:

orthorhombic, $C_{15}H_{22}O_2$, P 21 21 21, a = 6.9215(2) Å, b = 12.7299(3) Å, c = 15.0170(4) Å, V = 1323.15(6) Å3, Z = 4, T = 155(2) K, μ(Cu Kα) = 0.596 mm^{-1}, Dcalc = 1.176 g/cm^3, 8405 reflections measured (4.29° ≤ θ ≤ 68.28°), 2389 unique (Rint = 0.0459), which were used in all calculations. The final R1 was 0.0405 (I > 2σ(I)), and wR2 was 0.0823 (all data). Flack parameter = −0.12(15). CCDC No: 2195142.

Crystal data for 21:

orthorhombic, $C_{15}H_{22}O_3$, P 21 21 21, a = 8.1320(2) Å, b = 11.3145(2) Å, c = 14.8559(3) Å, V = 1366.88(5) Å3, Z = 4, T = 193(2) K, μ(Cu Kα) = 0.577 mm^{-1}, Dcalc = 1.139 g/cm^3, 8183 reflections measured (4.91° ≤ θ ≤ 68.32°), 2492 unique (Rint = 0.0225), which were used in all calculations. The final R1 was 0.0343 (I > 2σ(I)), and wR2 was 0.0873 (all data). Flack parameter = −0.03(6). CCDC No: 2195143.

Crystal data for 27:

orthorhombic, $C_{15}H_{20}O_3$, P 21 21 21, a = 20.4454(19) Å, b = 8.2080(6) Å, c = 8.1965(5) Å, V = 1375.50(18) Å3, Z = 4, T = 150(10) K, μ(Cu Kα) = 0.661 mm^{-1}, Dcalc = 1.199 g/cm^3, 5028 reflections measured (8.65° ≤ θ ≤ 148.55°), 2681 unique (Rint = 0.0512), which were used in all calculations. The final R1 was 0.0826 (I > 2σ(I)), and wR2 was 1976 (all data). Flack parameter = −0.10(4). CCDC No: 2195144.

Crystal data for 28:

monoclinic, $C_{15}H_{22}O_2$, I2, a = 8.7052(8) Å, b = 10.0397(7) Å, c = 16.0048(12) Å, V = 1351.41(19) Å, Z = 4, T = 100(10) K, μ(Cu Kα) = 0.583 mm^{-1}, Dcalc = 1.152 g/cm^3, 3623 reflections measured (10.51° ≤ θ ≤ 147.49°), 2115 unique (Rint = 0.0302), which were used in all calculations. The final R1 was 0.0492 (I > 2σ(I)), and wR2 was 0.1333 (all data). Flack parameter = 0.10(3). CCDC No: 2195145.

Crystal data for 29:

monoclinic, $C_{15}H_{22}O_3$, P 1 21 1, a = 8.7124(4) Å, b = 6.5713(3) Å, c = 12.0658(6) Å, V = 690.76(6) Å, Z = 2, T = 153(2) K, μ(Cu Kα) = 0.659 mm^{-1}, Dcalc = 1.204 g/cm^3, 3297 reflections measured (6.24° ≤ θ ≤ 72.38°), 2024 unique (Rint = 0.0343), which were used in all calculations. The final R1 was 0.0343 (I > 2σ(I)), and wR2 was 0.0943 (all data). Flack parameter = 0.13(6). CCDC No: 2195146.

Crystal data for 31:

orthorhombic, $C_{15}H_{20}O_2$, $C222_1$, a = 8.1880(3) Å, b = 23.4706(8) Å, c = 13.8857(4) Å, V = 2668.51(16) Å, Z = 8, T = 150(10) K, μ(Cu Kα) = 0.590 mm^{-1}, Dcalc = 1.156 g/cm^3, 6932 reflections measured (7.53° ≤ θ ≤ 146.39°), 2610 unique (Rint = 0.0396), which were used in all calculations. The final R1 was 0.0508 (I > 2σ(I)), and wR2 was 0.1332 (all data). Flack parameter = 0.00(2). CCDC No: 2195147.

Molecular networking

The aerial parts of *Daphne penicillate* were extracted by 75% EtOH, which was successively partitioned into ethyl acetate and *n*-butanol. The ethyl acetate extract was subjected to silica gel column chromatography, followed by polyamide chromatography to afford a series of fractions. Then, they was analyzed by HPLC-

ESI-MS/MS. MSConvert software was applied to converted from .wiff format of MS/MS data to .mzXML format. Then, these converted files were conducted by the MZmine 2. The mass detection was realized keeping the noise level at 15, and peaks without an associated MS/MS spectrum were finally filtered out. The data were submitted the online platform at the Global Natural Products Social Molecular Networking website (gnps.ucsd.edu) to generate the molecular network with edges that were filtered to have a cosine score above 0.65 and more than 6 matched peaks. The parameters include parent ion mass tolerance (0.02 Da), fragment ion mass tolerance (0.5 Da), and a minimum cluster size of 1. The resulting molecular network was visualized using the Cytoscape 3.8.2 program**.**

NMR calculations

The conformational analysis of isolated compounds was performed on the CONFLEX software by using MMFF94s molecular force field. All the conformers whose Boltzmann distribution is more than 1% were chosen, and then they were initially optimized at B3LYP/6-31G(d) level in chloroform using the polarizable continuum model (PCM) solvent model by Gaussian 09 program package. The gauge independent atomic orbital (GIAO) shielding constants of these conformers were calculated at the mPW1PW91/6-311+G(d,p) level after geometry optimization. Boltzmann-weighted averages of the chemical shifts were calculated to scale them against the experimental values. The ^{1}H NMR and ^{13}C NMR chemical shift of tetramethylsilane were calculated at the same level and used as reference. The shielding constants obtained were converted into chemical shifts by referencing to TMS at 0 ppm (δcal = σTMS - σcal). The $MAE_{\Delta\Delta\delta}$ values, DP4+ and CP3 probability were calculated for evaluation of the deviations between the experimental and calculated results.

ECD calculations

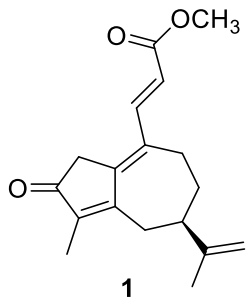
Conformational analysis of all the possible conformers of isolated compounds were performed by using the MMFF94 force field in CONFLEX software. All the conformers obtained were screened based on the energy of optimized structures at the B3LYP/6-31G(d) level in an energy window of 3 kcal/mol in the Gaussian 09 software. Then, the ECD data of all the selected conformers were calculated with the time-dependent

density functional theory (TDDFT) method at the B3LYP/6-311++G(2d, p) levels with the CPCM model in methanol solution. Finally, the Boltzmann-averaged ECD curve was generated using SpecDis 1.51.

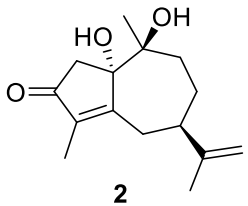
Inflammatory mediator and cytokine assay

BV2 cells were cultured in DMEM medium containing contained 10% heat-inactivated FBS with 100 U/ml penicillin and 100 μg/mL streptomycin at 37 ℃ with 5% CO_2. BV2 cells were seeded in 96 well plates at a density of 5×10^3 cells/well for 24 h. Then, the isolated compounds were added and the cells were further cultured for 1 h. After that, 10 μg/ml of LPS were added to each well and the cells were incubated for an additional 24 h. Then, the supernatants were collected. The nitrite concentration in the medium, which is an indicator of NO production, was measured using the Griess reaction. The concentration of NO was measured using a commercially available NO assay kit according to the manufacturer′s instructions.

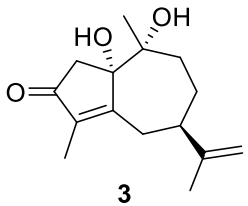
Table S1. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **1**–**5** in $CDCl_3$.



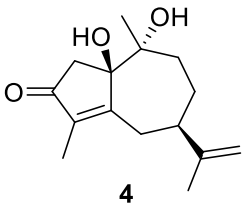
1



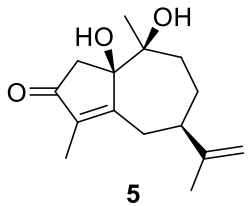
2



3



4

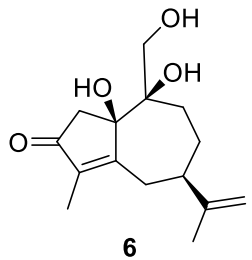


5

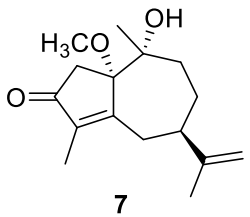
No.	**1**		**2**		**3**		**4**		**5**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		143.2		84.9		85.6		83.0		81.7
2	3.19, d, (20.5)	39.7	3.03, d, (17.7)	48.8	3.09, d, (18.6)	49.0	3.02, d, (17.7)	47.0	2.56, d, (18,0)	46.7
	3.15, d, (20.5)		2.26, d, (17.7)		2.29, d, (18.6)		2.21, d, (17.7)		2.39, d, (18.0)	
3		203.0		205.2		205.7		205.9		206.9
4		143.4		140.2		139.7		139.1		137.8
5		166.2		169.9		169.9		170.4		173.2
6	2.84, dd, (15.3, 4.7)	32.8	2.77, m	35.4	2.75, m	36.0	2.70, dd, (12.9, 11.5)	28.7	2.74, dd, (12.0, 11.5)	30.6
	2.79, dd, (15.3, 8.7)		2.63, dd, (17.6, 10.7)		2.50, dd, (19.4, 12.0)		2.53, dd, (12.9, 4.4)		2.49, dd, (12.0, 2.6)	
7	2.52, overlapped	42.8	2.70, m	43.0	2.87, m	42.3	2.43, m	42.1	2.06, overlapped	47.1
8	2.00, dddd, (14.3, 9.8, 7.0, 3.0)	31.8	1.68, m	29.2	1.79, m	30.8	1.85, m	25.2	1.92, m	27.5
	1.82, dtd, (14.2, 8.1, 3.1)		1.55, m		1.27, m		1.61, m		1.58, m	
9	2.65, ddd, (16.7, 9.8, 3.1)	25.6	2.21, m	39.7	2.25, m	40.6	2.28, ddd, (15.2, 12.1, 3.1)	33.1	2.04, overlapped	35.3
	2.55, overlapped		1.72, overlapped		1.70, ddd, (13.6, 5.6, 2.3)		1.52, ddd, (15.2, 6.2, 3.1)		1.41, ddd, (14.8, 9,9, 2.9)	
10		133.5		75.3		77.1		74.7		74.3
11		148.9		150.5		150.6		149.9		149.8
12	4.76, d, (1.5)	110.1	4.77, d, (1.6)	109.5	4.75, d, (1.6)	109.4	4.79, d, (1.6)	109.8	4.76, d, (1.6)	109.8

	4.75, d, (1.5)		4.72, d, (1.6)		4.72, d, (1.6)		4.76, d, (1.6)		4.72, d, (1.6)	
13	1.77, s	20.8	1.77, s	20.3	1.75, s	20.5	1.78, s	20.4	1.76, s	20.0
14	7.56, d, (15.6)	143.8	1.39, s	27.6	1.02, s	22.4	1.37, s	27.3	1.23, s	26.0
15	1.85, s	118.4	1.71, s	8.5	1.67, s	8.2	1.74, s	8.0	1.68, s	7.7
16	6.04, d, (15.6)	167.7								
17		9.1								
-OCH_3	3.78, s	51.9								

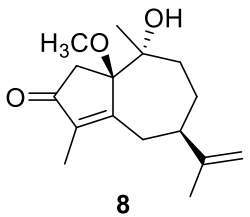
Table S2. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **6-10** in $CDCl_3$.



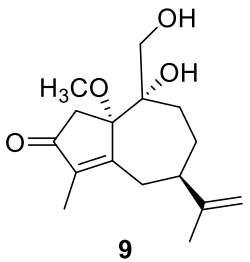
6



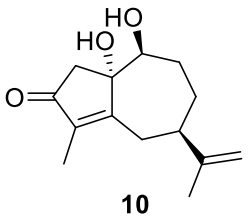
7



8



9

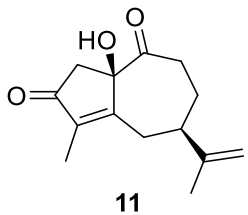


10

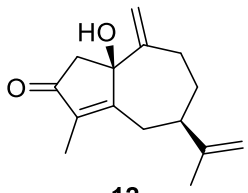
No.	**6**		**7**		**8**		**9**		**10**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		80.9		90.3		88.4		90.2		82.6
2	2.50, d, (17.7)	45.3	2.76, d, (18.3)	41.3	2.37, d (18.2)	38.4	2.92, d, (18.1)	40.2	2.87, d (17.6)	50.9
	2.42, d, (17.7)		2.39, d, (18.3)		2.70, d (18.2)		2.37, d, (18.1)		2.40, d (17.6)	
3		206.1		205.3		205.9		204.9		204.8
4		137.9		143.0		141.7		143.4		140.8
5		172.4		167.9		169.3		167.0		168.6
6	2.72, dd, (11.6, 11.4)	31.7	2.66, m	36.8	2.41, overlapped	28.8	2.68, m	35.2	2.72, ddd (18.7, 3.1)	35.0
	2.59, brd, (11.6)		2.58, overlapped		2.46, overlapped		2.60, overlapped		2.61, ddd (18.5, 11.3)	
7	1.94, m	49.4	2.58, overlapped	42.5	2.40, overlapped	41.7	2.56, overlapped	42.9	2.78, m	43.2
8	2.09, m	27.5	1.65, m	29.5	1.52, m	25.1	1.70, m	28.0	1.65, m	27.9
	1.59, m		1.51, m		1.85, m		1.58, m		1.57, m	
9	1.83, ddd, (14.8, 6.0, 2.4)	30.2	2.24, m	39.8	1.47, m	32.8	2.20, ddd, (15.2, 12.8, 2.6)	34.3	2.20, m	32.4
	1.22, ddd, (14.8, 12.6, 2.2)		1.65, m		2.37, overlapped		1.87, ddd, (15.2, 6.1, 2.6)		1.87, m	
10		74.1		75.8		74.8		76.0	4.09, brs	74.1
11		149.6		150.7		150.0		150.3		150.6
12	4.80, d, (1.6)	109.9	4.76, d, (1.7)	109.3	4.77, d (1.5)	109.4	4.78, d, (1.5)	109.6	4.77, d, (1.6)	109.5
	4.76, d, (1.6)		4.72, d, (1.7)		4.73, d (1.5)		4.75, d, (1.5)		4.72, d, (1.6)	
13	1.79, s	20.3	1.77, s	20.4	1.77, s	20.1	1.79, s	20.7	1.77, s	20.3
14	3.79, d, (10.5)	68.4	1.33, s	28.1	1.29, s	27.8	3.70, d, (11.0)	69.2	1.71, s	
	3.48, d, (10.5)						3.63, d, (11.0)			
15	1.72, s	7.7	1.75, s	8.4	1.78, s	8.05	1.75, s	8.6		8.4

-OCH_3	3.05, s	50.7	3.05, s	50.8	3.05, s	50.6		

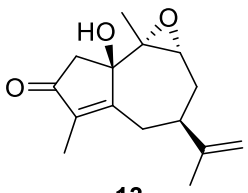
Table S3. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **11**–**15** in $CDCl_3$.



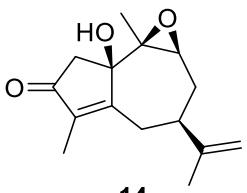
11



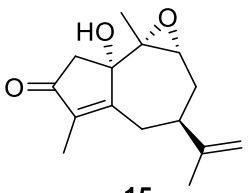
12



13



14

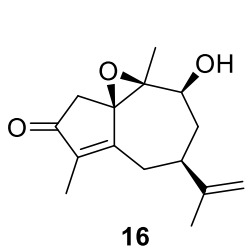


15

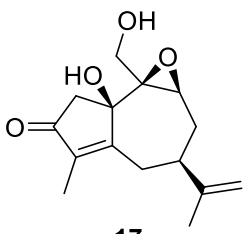
No.	**11**		**12**		**13**		**14**		**15**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		82.9		80.4		81.4		77.5		78.1
2	2.52, overlapped	45.5	2.63, d, (18.5)	49.7	2.98, d (18.4)	48.2	2.99, d (17.4)	49.0	2.94, d (17.9)	48.4
	2.52, overlapped		2.48, d, (18.5)		2.48, d (18.4)		2.48, d (17.4)		2.49, d (17.9)	
3		205.1		207.0		205.6		204.7		204.9
4		141.2		137.8		138.6		138.2		138.8
5		167.7		172.2		170.6		169.6		169.9
6	2.77, m	32.3	2.69, brd, (12.1)	32.2	2.58, brd (12.5)	32.3	2.73, dd (13.6, 3.2)	32.9	2.87, overlapped	30.9
					2.26, m					
	2.17, overlapped		2.23, dd, (12.1, 11.9)				2.64, dd (13.6, 12.1)		2.78, dd (14.4, 6.9)	
7	2.16, overlapped	48.9	2.44, m	48.9	2.09, m	40.2	2.27, overlapped	42.6	2.71, m	40.3
8	2.07, m	33.1	2.03, overlapped	37.7	2.20, ddd (15.4, 12.2, 0.9)	33.8	2.24, overlapped	33.7	2.41, ddd, (14.1, 6.9, 5.5)	29.3
	1.60, m		1.44, m		2.35, m		2.03, ddd, (13.7, 11.6, 8.1)		2.16, ddd, (14.1, 8.2, 2.8)	
9	2.54, overlapped(2H)	37.8	2.05, overlapped	33.4	3.12, dd (5.6, 0.9)	65.7	3.04, dd (8.1, 7.2)	64.0	2.89, overlapped	63.7
			1.68, m							
10		211.9		153.1		63.7		61.3		61.4
11		148.1		149.3		148.7		148.7		147.6
12	4.80, d (1.5)	111.0	4.78, overlapped	110.1	4.78, d (1.5)	110.4	4.81, d (1.5)	110.5	4.78, d (1.5)	110.5
	4.78, d (1.3)		4.77, overlapped		4.77, d (1.5)		4.78, d (1.5)		4.61, d (1.5)	

13	1.75, s	20.4	1.77, s	20.5	1.77, s	20.3	1.77, s	19.9	1.80, s	22.7
14	1.84, s		5.44, d, (1.1) 5.15, d, (1.1)	112.5	1.50, s	21.4	1.19, s	18.4	1.19, s	19.0
15	4.21, s	8.1	1.77, s	7.9	1.65, s	8.0	1.76, s	8.4	1.78, s	8.8

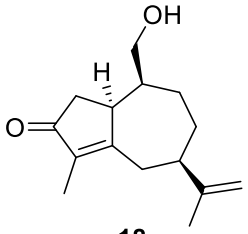
Table S4. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **16**–**20** in $CDCl_3$.



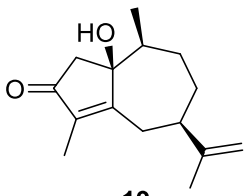
16



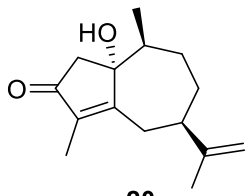
17



18



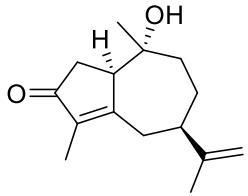
19



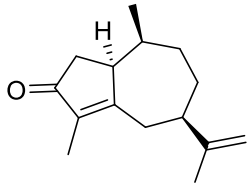
20

No.	**16**		**17**		**18**		**19**		**20**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		70.4		81.4	3.19, m	44.3		79.7		82.9
2	2.72, d, (18.7)	40.8	3.04, d, (18.2)	48.3	2.64, dd, (18.8, 6.8)	41.5	2.58, d, (18.1)	51.0	2.55, d, (18.2)	51.2
	2.50, d, (18.7)		2.61, d, (18.2)		2.29, brd, (18.8)		2.43, d, (18.1)		2.40, d, (18.2)	
3		203.8		204.8		208.0		205.8		205.7
4		142.1		139.4		137.7		137.5		138.4
5		167.1		168.8		174.4		173.8		172.1
6	2.76, dd, (11.9, 2.3)	34.5	2.64, overlapped	32.1	2.79, brd, (19.4)	37.8	2.70, dd, (12.6, 12.2)	28.0	2.68, brd, (19.1)	35.8
	2.30, overlapped		2.35, dd, (12.1, 11.9)		2.49, dd, (19.4, 12.1)		2.52, dd, (12.6, 5.0)		2.46, dd, (19.1, 11.6)	
7	2.31, overlapped	36.5	2.13, m	40.4	2.38, m	44.4	2.43, overlapped	41.7	2.82, m	42.8
8	2.00, m	38.3	2.41, m	33.6	1.82, m	31.6	1.81, overlapped	30.9	1.63, m	30.0
	1.88, m		2.26, ddd, (15.5, 11.9, 1.2)		1.57, overlapped		1.51, m		1.43, m	
9	4.41, brd, (5.7)	74.4	3.38, dd, (5.4, 1.2)	63.6	2.21, overlapped	31.4	1.80, overlapped	27.4	2.15, m	30.8
					1.61, overlapped		1.38, m		1.48, overlapped	
10		67.7		63.8	2.19, overlapped	43.0	1.43, m	45.9	2.23, m	40.0
11		149.7		148.5		150.7		149.7		151.0
12	4.79, d, (1.5)	110.1	4.82, d, (1.5)	110.6	4.76, d, (1.6)	109.3	4.78, d, (1.5)	109.5	4.70, d, (1.7)	109.1
	4.76, d, (1.5)		4.80, d, (1.5)		4.71, d, (1.6)		4.75, d, (1.5)		4.65, d, (1.7)	
13	1.76, s	20.3	1.80, s	20.4	1.77, s	20.4	1.78, s	20.7	1.71, s	20.4
14	1.57, s	23.0	4.25, d, (11.6)	67.0	3.41, dd, (10.8, 4.9)	60.9	1.09, d, (6.9)	17.6	0.71, d, (7.1)	14.5
			3.59, d, (11.6)		3.47, dd, (10.8, 8.7)					
15	1.80, s	8.8	1.72, s	8.1	1.64, s	8.2	1.72, s	7.8	1.59, s	7.9

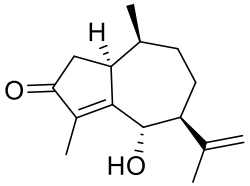
Table S5. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **21**–**25** in $CDCl_3$.



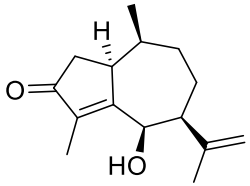
21



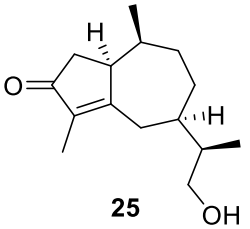
22



23



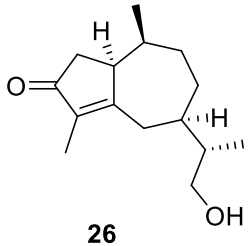
24



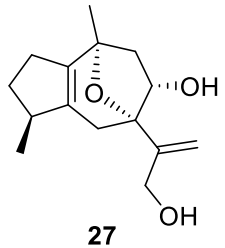
25

No.	**21**		**22**		**23**		**24**		**25**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1	3.19, m	52.1	3.12, m	46.1	3.24, m	43.5	3.06, m	46.0	3.11, ddd, (5.9, 3.8, 1.9)	46.0
2	2.57, dd, (19.3, 2.1) 2.46, dd, (19.3, 6.5)	37.6	2.03, dd (18.8, 1.5) 2.57, ddd (18.8, 6.6, 1.5)	41.3	2.61, dd, (18.6, 6.6) 2.08, brd, (18.6)	42.5	2.60, dd (19.1, 6.7) 2.10, dd (19.1, 1.8)	41.5	2.55, dd, (18.8, 6.6) 2.03, brd, (18.8)	41.5
3		208.2		208.4		209.1		209.1		208.5
4		138.4		137.8		143.3		143.1		137.9
5		172.1		175.4		171.3		172.3		175.9
6	2.79, brd, (19.3) 2.44, overlapped	37.8	2.76, brd (19.5) 2.45,dd, (19.5, 12.2)	38.1	4.41, d, (10.5) 2.45, ddd, (11.1, 10.0, 1.0)	69.9	4.60, brs 2.31, dd (11.2, 1.5)	68.1	2.67, brd, (18.8) 2.27, m	33.8
7	2.38, m	44.0	2.32, m	44.7	1.57, m	53.5	1.52, m	50.0	1.90, m	37.5
8	1.89, ddd, (14.2, 4.5, 3.4) 1.41, ddd, (14.2, 13.2, 10.4)	32.0	1.74, m 1.57, m	31.5	1.48, m 1.76, overlapped	25.6	2.21, m 1.71, m	22.5	1.62, m 1.47, m	30.5
9	2.02, ddd, (13.3, 4.5, 3.4) 1.82, m	46.7	1.83, m 1.71, m	36.9	1.78, overlapped 2.15, m	36.4	1.82, m 2.09, overlapped	36.9	1.83, overlapped 1.72, m	37.0
10		74.8	2.11, m	35.5		36.1		35.9	2.10, m	35.6
11		150.3		151.0		147.2		149.2	1.78, overlapped	42.6
12	4.76, d, (1.5) 4.73, d, (1.5)	109.5	1.76, s 4.74, d (1.6)	109.1	4.95, d, (1.7) 4.92, d, (1.7)	113.0	4.98, d (1.6) 4.87, d (1.6)	112.2	3.60, dd, (10.7, 7.3) 3.53, dd, (10.7, 6.6)	65.9
13	1.77, s	20.4	4.69, d (1.6)	20.3	1.78, s	18.5	1.85, s	23.6	0.92, d, (7.0)	12.6
14	0.94, s	21.0	0.64, d (7.1)	12.2	0.58, d, (7.1)	12.7	0.75, d (7.1)	12.2	0.62, d, (7.1)	12.3
15	1.66, s	8.3	1.65, s	8.1	1.87, s	8.9	1.85, s	9.0	1.66, s	8.2

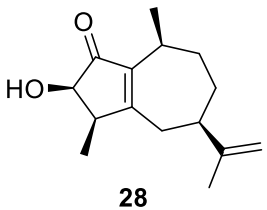
Table S6. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **26**–**30** in $CDCl_3$.



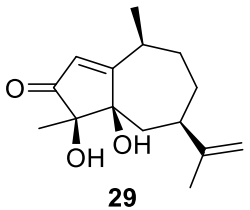
26



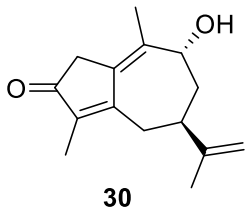
27



28



29

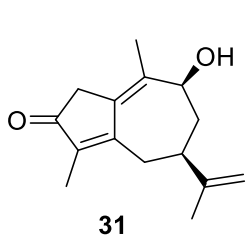


30

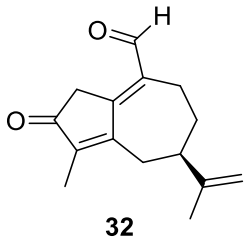
No.	**26**		**27**		**28**		**29**		**30**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1	3.13, m	46.0		141.4		142.0		184.6		132.6
2	2.56, dd, (18.8, 6.6)	41.5	2.33, overlapped	30.0		208.3	6.00, s	127.3	2.98, d, (20.6)	41.2
	2.03, brd, (18.8)		2.27, overlapped						2.93, d, (20.6)	
3		208.5	2.12, m	32.0	4.22, d (6.5)	74.3		209.1		204.0
4		137.7	1.37, m	41.0	2.90, overlapped	44.2		80.3		140.5
5		176.0	2.58, m	135.3		176.2		80.7		165.2
6	2.42, dd, (19.6, 12.4)	37.3		35.4	2.61, dd (16.3, 12.1)	38.2	2.20, brd (15.0)	40.5	2.93, overlapped	36.5
	1.93, dd, (19.6, 10.2)		2.34, overlapped		2.33, brd, (16.3)		1.98, dd (15.0, 10.7)		2.59, dd, (17.1, 11.4)	
7	2.64, m	37.5	2.28, overlapped	87.2	2.07, m	46.2	1.84, overlapped	44.8	2.69, m	37.6
8	1.65, overlapped	26.7		80.6	1.85, overlapped	30.7	1.80, overlapped	32.0	2.15, ddd, (14.4, 6.2, 3.2)	41.5
	1.30, m		4.19, dd (7.4, 5.3)		1.82, overlapped		1.70, m		2.02, ddd, (14.4, 9.3, 3.0)	
9	1.83, m	36.9	2.62, dd (12.3, 7.4)	52.5	1.78, overlapped	32.7	2.04, m	34.9	4.49, m	72.5
	1.67, overlapped		1.61, dd (12.3, 5.2)		1.56, m		1.62, m			
10	2.11, m	35.6		79.2	2.93, m	27.9	3.19, m	38.2		134.9
11	1.74, m	42.3		148.2		150.8		150.1		149.5
12	3.60, dd, (10.6, 7.4)	66.1	5.38, d (1.4)	113.9	4.75, d (1.6)	109.4	4.65, d (1.6)	109.3	4.80, d, (1.5)	110.0
	3.54, dd, (10.6, 6.4)		5.29, d (1.4)		4.72, d (1.6)		4.64, d (1.6)		4.78, d, (1.5)	
13	0.90, d, (7.0)	12.3	4.32, dd (12.2, 1.2)	65.1	1.77, s	20.4	1.73, s	19.7	1.80, s	20.5
			4.29, dd (12.2, 0.9)							

14	0.62, d, (7.1)	12.1	1.43, s	21.6	1.02, d (7.2)	17.7	1.35, d, (7.2)	18.7	1.97, s	21.0
15	1.67, s	8.2	0.97, d (6.9)	19.5	1.03, d (7.2)	14.6	1.30, s	21.6	1.77, s	8.7

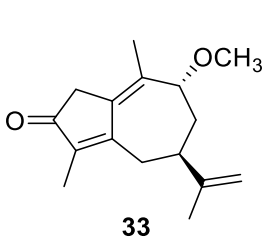
Table S7. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **31**–**35** in $CDCl_3$.



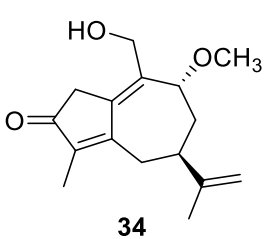
31



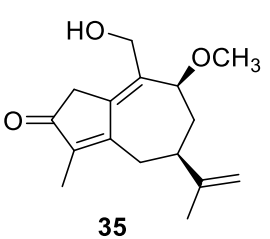
32



33



34

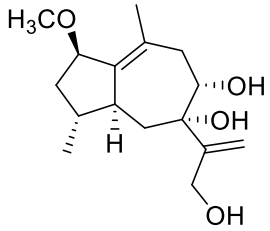


35

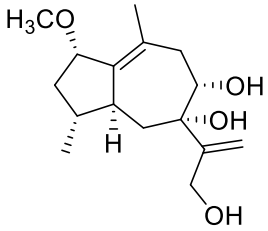
No.	**31**		**32**		**33**		**34**		**35**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		132.1		152.7		133.3		135.6		136.2
2	3.00, d, (20.6) 2.93, d, (20.6)	41.2	3.40, d, (20.5) 3.40, d, (20.5)	37.5	2.97, d, (20.6) 2.90, d, (20.6)	41.1	3.12, d, (20.5) 3.00, d, (20.5)	39.6	3.10, d, (20.5) 3.07, d, (20.5)	39.6
3		204.0		202.8		204.1		203.5		203.6
4		140.5		144.4		140.4		142.4		142.4
5		165.4		166.3		165.3		165.0		165.3
6	2.81, dd, (16.7, 10.2) 2.75, brd, (16.7)	35.5	2.86, overlapped 2.84, overlapped	32.5	2.93, overlapped 2.59, m	36.2	2.93, dd, (15.9, 2.6) 2.61, dd, (15.9, 11.2)	35.3	2.91, m 2.71, dd, (16.5, 3.4)	34.3
7	2.40, m	40.3	2.55, m	42.9	2.70, m	37.5	2.68, m	37.8	2.41, m	40.7
8	2.25, ddd, (13.8, 5.0, 3.5) 1.88, ddd, (13.8, 9.6, 8.8)	42.1	1.95, m 1.78, overlapped	31.6	2.26, ddd, (14.6, 6.1, 3.3) 1.82, ddd, (14.6, 9.4, 2.4)	35.8	2.26, ddd, (14.6, 7.0, 4.2) 1.93, ddd, (14.6, 8.6, 2.8)	35.9	2.24, ddd, (14.0, 4.6, 1.3) 1.91, ddd, (14.0, 9.8, 8.0)	37.2
9	4.33, m	73.9	2.68, m 2.65, m	21.5	3.88, dd, (6.2, 2.3)	81.8	4.28, overlapped	80.1	4.16, dd, (8.0, 4.6)	81.4
10		136.0		135.4		134.2		135.3		135.5
11		149.3		148.7		149.7		149.2		149.0
12	4.78, d, (1.5) 4.75, d, (1.5)	110.1	4.75, d, (1.5) 4.73, d, (1.5)	110.2	4.78, d, (1.5) 4.75, d, (1.5)	109.8	4.80, d, (1.5) 4.79, d, (1.5)	110.1	4.78, d, (1.5) 4.76, d, (1.5)	110.3
13	1.79, s	20.1	1.76, s	20.8	1.78, s	20.4	1.80, s	20.5	1.78, s	20.1

14	1.97, s	20.7	9.94, s	191.4	1.92, s	21.5	4.28, d, (12.5) 4.25, d, (12.5)	64.7	4.25, d, (12.5) 4.23, d, (12.5)	64.6
15	1.77, s	8.7	1.89, s	9.1	1.75, s	8.7	1.79, s	8.8	1.79, s	8.8
-OCH_3					3.41, s	57.8	3.44, s	57.4	3.42, s	57.0

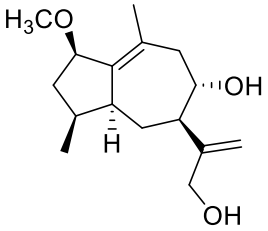
Table S8. ^{1}H (600 MHz) and ^{13}C (150 MHz) NMR data of **36**–**40** in $CDCl_3$.



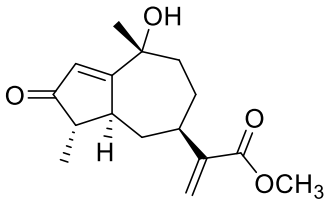
36



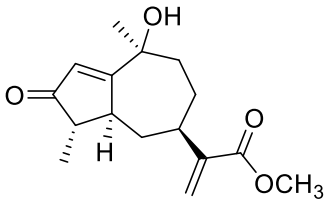
37



38



39

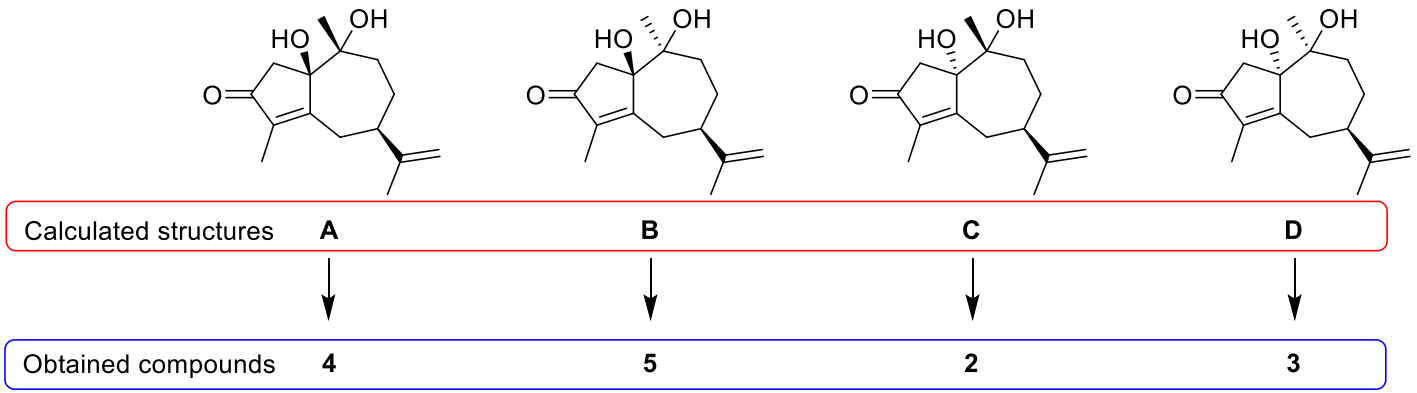


40

No.	**36**		**37**		**38**		**39**		**40**	
	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C	δ_H, multi, *J* (Hz)	δ_C
1		146.5		144.6		144.0		187.8		189.5
2	4.21, brd, (4.7) 1.95, dd, (13.4, 5.7)	82.2	4.30, t, (6.0) 2.00, m	83.2	4.22, dd, (5.6, 4.8) 1.88, overlapped	82.4	6.22, d, (1.7)	128.8	6.22, s	128.1
3	1.27, overlapped	38.8	1.51, overlapped	39.4	1.58, ddd, (12.5, 7.2, 4.8)	38.0		210.3		211.3
4	2.35, m	35.7	2.09, m	35.7	2.13, m	35.3	2.02, overlapped	50.1	2.52, m	50.7
5	2.97, m	39.4	2.92, m	40.2	2.46, m	45.5	2.70, m	50.8	2.06, qd, (7.4, 1.3)	51.4
6	1.56, dd, (13.9, 1.6) 1.32, dd, (13.9, 12.7)	39.3	1.60, dd, (13.9, 2.2) 1.55, dd, (13.9, 11.9)	40.1	1.66, m 1.31, m	33.6	2.07, overlapped 1.91, ddd, (14.0, 7.7, 1.5)	40.4	2.21, m 1.28, m	43.2
7		80.5		80.4	2.23, overlapped	55.6	2.80, m	43.2	2.77, m	42.8
8	3.56, dd, (11.1, 1.9) 3.13, dd, (13.6, 11.1)	72.5	3.62, dd, (11.0, 2.0) 3.10, dd, (14.0, 11.0)	72.8	3.55, m	71.0	1.96, m 1.51, overlapped	30.6	1.77, m 1.63, overlapped	29.0
9	1.81, dd, (13.6, 1.9)	39.3	1.79, dd, (14.0, 2.0)	39.6	2.54, dd, (14.0, 11.4) 2.25, dd, (14.0, 2.2)	44.5	2.04, overlapped 1.46, m	39.2	2.01, ddd, (15.2, 8.4, 1.3) 1.91, ddd, (15.2, 10.9, 1.3)	40.8
10		134.3		133.2		131.4		73.7		74.5
11		157.0		157.1		152.0		145.4		145.4
12	5.25, d, (1.5) 5.20, d, (1.5)	111.1	5.28, d, (1.4) 5.21, d, (1.4)	111.0	5.20, brs 5.05, brs	112.7	6.18, d, (0.8) 5.54, d, (0.8)	123.7	6.17, d, (0.7) 5.53, d, (0.7)	123.7
13	1.84, s	63.7	1.81, s	63.6	1.85, s	65.4		167.4		167.5

14	4.15, d, (15.5)	22.1	4.18, d, (14.9)	21.7	4.14, d, (23.4)	22.2	1.55, s	30.1	1.43, s	32.2
	4.12, d, (15.5)		4.15, d, (14.9)		4.11, d, (23.4)					
15	0.94, d, (7.0)	15.7	0.96, d, (7.1)	16.7	0.98, d, (7.2)	16.6	1.19, d, (7.4)	14.3	1.18, d, (7.4)	16.9
$-OCH_3$	3.30, s	56.1	3.32, s	55.8	3.30, s	55.8	3.78, s	52.1	3.77, s	52.2

Table S9. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**D** corresponds to **2**−**5.**

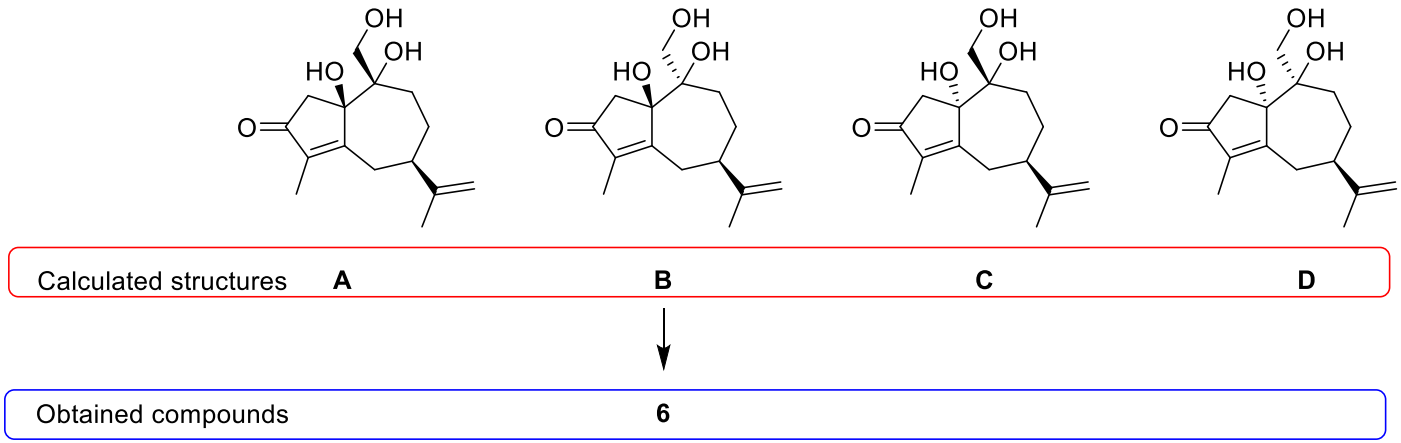


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	δ_{calcd}-**C** [a]	δ_{calcd}-**D** [a]
9-C	31.6	37.3	33.7	39.5
8-C	21.4	29.4	25.1	30.4
7-C	41.9	42.4	44.4	41.5
6-C	26.4	37.9	26.9	36.5
5-C	82.7	84.1	81.3	85.4
4-C	174.8	179.6	177.9	177.8
3-C	142.6	141.6	142.4	142.7
2-C	208.3	208.3	208.7	206.9
1-C	47.3	48.2	47.5	49.0
17-C	23.6	24.1	18.0	18.8
15-C	110.3	109.8	110.6	110.0
14-C	18.6	17.1	15.9	18.0
13-C	157.8	159.9	157.5	159.7
12-C	6.5	4.3	6.0	4.0
10-C	73.1	74.3	75.7	75.7
39-H	1.33	1.36	1.04	0.92
38-H	1.33	1.36	1.04	0.92
37-H	1.33	1.36	1.04	0.92
35-H	5.17	5.08	5.10	5.13
34-H	5.19	5.15	5.10	5.17

33-H	1.98	1.93	1.91	1.93
32-H	1.98	1.93	1.91	1.93
31-H	1.98	1.93	1.91	1.93
30-H	1.86	1.76	1.81	1.75
29-H	1.86	1.76	1.81	1.75
28-H	1.86	1.76	1.81	1.75
27-H	1.35	1.61	1.29	1.64
26-H	2.36	2.46	2.87	2.36
25-H	1.80	1.90	1.66	1.47
24-H	1.50	1.65	1.66	1.72
23-H	2.69	3.06	2.43	3.33
22-H	2.67	2.80	2.51	2.80
21-H	2.82	2.89	3.00	2.76
20-H	3.14	3.04	3.07	3.41
19-H	2.03	2.25	2.24	2.18

[a] Calculated in $CDCl_3$

Table S10. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**D** corresponds to **6.**

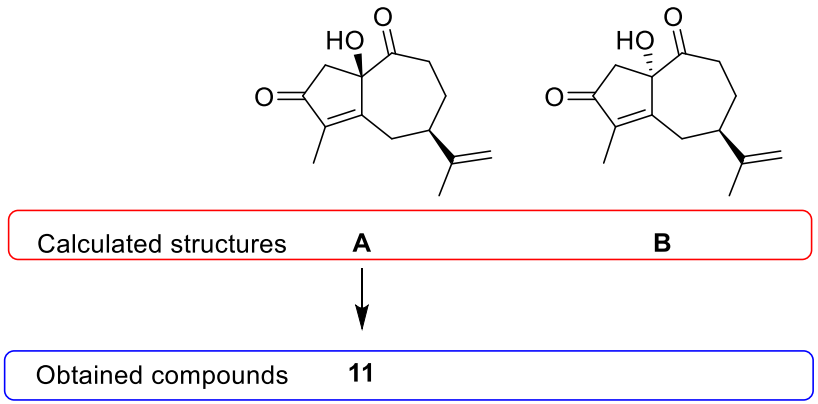


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	δ_{calcd}-**C** [a]	δ_{calcd}-**D** [a]
1-C	87.1	87.3	81.5	86.9
2-C	180.9	180.6	186.0	184.1
3-C	30.8	39.8	35.5	39.3
4-C	46.2	45.2	53.5	46.0
5-C	26.5	32.5	31.6	32.0
6-C	29.5	36.5	31.9	34.3
7-C	75.9	79.9	76.5	77.6
8-C	162.5	163.4	162.8	163.4
9-C	22.6	22.7	22.7	22.6
10-C	114.5	114.7	114.8	114.3
11-C	70.6	63.9	66.5	69.6
12-C	50.4	54.0	47.4	51.4
14-C	147.5	147.4	144.1	145.4
15-C	212.3	210.3	213.3	212.2
17-C	10.1	8.6	8.5	9.1
20-H	2.68	2.68	2.91	2.69
21-H	2.68	2.71	2.54	2.89
22-H	2.54	3.24	1.98	2.72
23-H	1.97	1.55	1.50	1.52

24-H	1.39	1.24	2.18	1.97
25-H	1.70	1.92	1.33	2.04
26-H	2.22	1.98	1.93	1.94
27-H	1.87	1.88	1.94	1.93
28-H	1.95	1.75	1.92	1.86
29-H	1.80	1.85	1.73	1.77
30-H	5.06	5.08	5.06	4.99
31-H	5.09	5.06	5.06	5.03
32-H	3.85	2.93	3.38	3.81
33-H	3.73	3.28	3.75	3.59
34-H	1.96	3.07	2.09	3.17
35-H	3.11	2.26	2.13	1.95
37-H	1.68	1.38	1.39	1.46
38-H	1.77	2.21	1.57	1.41
39-H	1.83	1.28	2.10	2.04

[a] Calculated in $CDCl_3$

Table S11. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **11.**

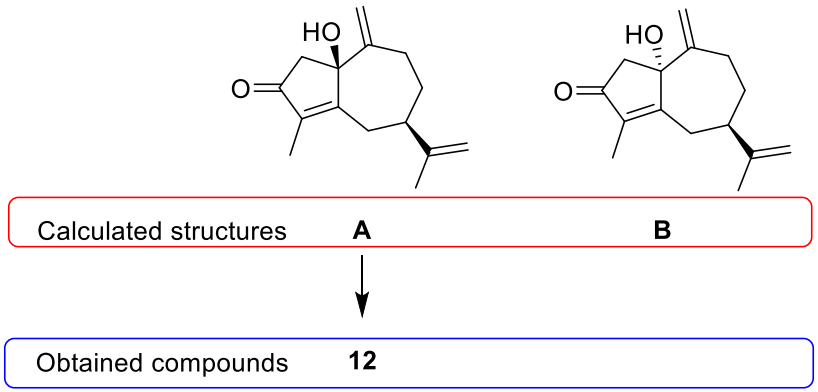


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	17.88	18.43	35-H	2.00	1.98
8-C	158.10	157.38	34-H	2.00	1.98

7-C	222.83	222.79	33-H	2.00	1.98
6-C	37.94	36.03	31-H	2.62	2.53
5-C	34.15	29.32	30-H	2.52	2.68
4-C	50.61	42.17	29-H	5.28	5.27
3-C	31.74	33.51	28-H	5.31	5.32
2-C	176.69	176.77	27-H	1.95	1.99
1-C	84.57	85.43	26-H	1.95	1.99
17-C	6.97	6.28	25-H	1.95	1.99
15-C	212.05	210.31	24-H	2.82	2.69
14-C	146.10	146.22	23-H	2.66	2.87
12-C	46.65	47.12	22-H	2.10	1.97
10-C	113.32	113.94	21-H	1.81	2.09
			20-H	2.47	2.95
			19-H	2.80	2.91
			18-H	2.56	3.03

[a] Calculated in $CDCl_3$

Table S12. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **12.**

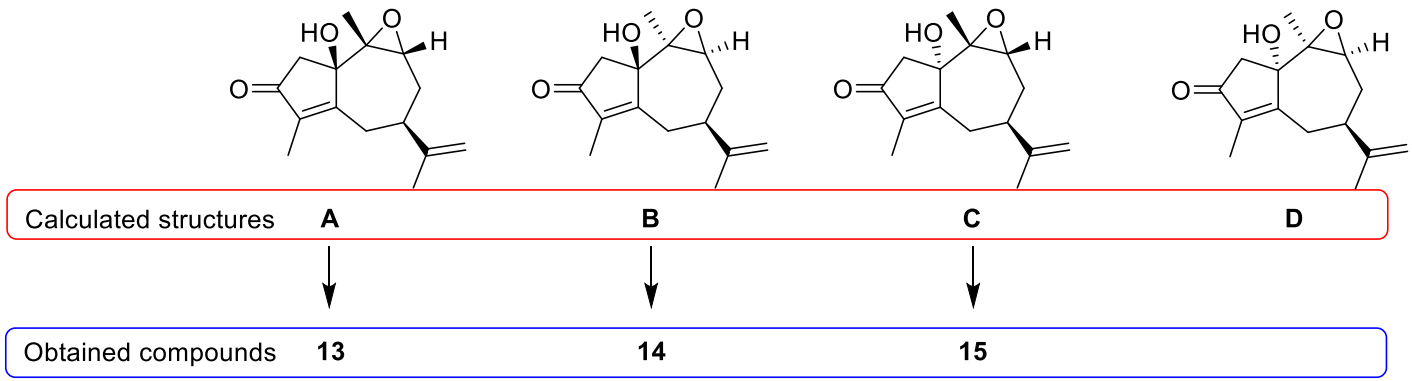


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	17.5	18.8	37-H	1.92	1.81
8-C	158.4	158.9	36-H	1.92	1.81

7-C	161.3	161.0	35-H	1.92	1.81
6-C	33.0	32.5	33-H	2.58	2.74
5-C	37.7	35.2	32-H	2.65	2.87
4-C	51.2	42.4	31-H	5.97	5.52
3-C	32.3	34.2	30-H	5.66	5.67
2-C	181.4	182.3	29-H	5.27	5.27
1-C	82.4	83.3	28-H	5.24	5.23
17-C	6.4	5.0	27-H	1.98	2.00
15-C	213.3	210.7	26-H	1.98	2.00
14-C	141.9	140.4	25-H	1.98	2.00
12-C	50.3	51.8	24-H	1.93	2.78
11-C	115.2	114.2	23-H	2.59	2.29
			22-H	1.95	1.89
			21-H	1.82	1.93
			20-H	2.37	3.29
			19-H	2.77	2.77
			18-H	2.42	2.93

[a] Calculated in $CDCl_3$

Table S13. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**D** corresponds to **13**−**15.**



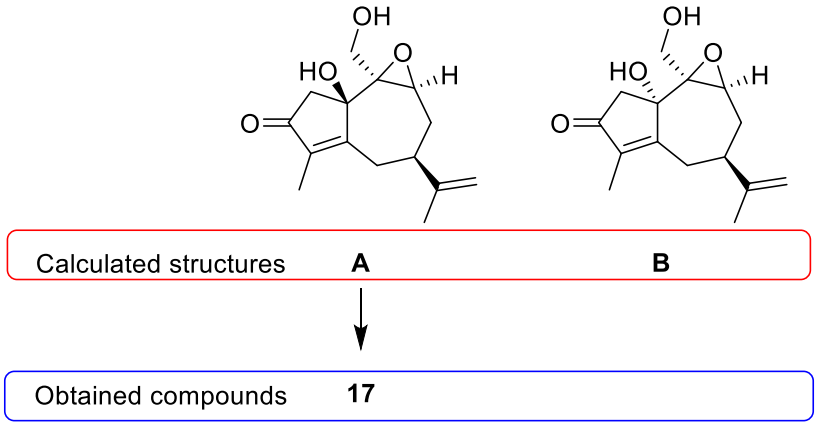
No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	δ_{calcd}-**C** [a]	δ_{calcd}-**D** [a]

1-C	51.6	52.7	52.5	53.2
2-C	212.2	211.4	210.9	211.3
3-C	145.7	145.8	149.2	145.7
4-C	182.3	182.5	178.3	181.7
5-C	84.6	81.0	85.8	80.7
6-C	36.2	35.3	36.7	36.4
7-C	43.5	45.2	44.4	46.5
8-C	37.6	32.8	34.8	36.6
9-C	67.9	66.2	67.1	66.9
10-C	66.0	63.9	64.8	63.9
12-C	8.7	10.1	9.4	9.9
14-C	161.6	159.8	161.1	161.7
15-C	115.5	117.0	115.5	115.5
16-C	22.1	25.6	22.1	21.7
17-C	22.9	19.3	21.9	18.63
19-H	2.36	2.38	2.18	2.36
20-H	2.86	2.84	2.94	2.83
21-H	2.31	2.91	2.70	2.64
22-H	2.52	3.01	2.70	2.90
23-H	2.08	2.63	2.86	2.19
24-H	2.14	2.25	1.38	2.14
25-H	2.24	2.42	1.92	2.05
26-H	2.99	2.71	2.93	2.85
27-H	1.67	1.83	1.70	1.74
28-H	1.67	1.83	1.70	1.74
29-H	1.67	1.83	1.70	1.74
31-H	5.08	5.09	5.07	5.05
32-H	5.05	4.99	5.07	5.08
33-H	1.83	1.85	1.81	1.84
34-H	1.83	1.85	1.81	1.84
35-H	1.83	1.85	1.81	1.84
36-H	1.36	0.99	1.33	0.99
37-H	1.36	0.99	1.33	0.99

38-H	1.36	0.99	1.33	0.99

[a] Calculated in $CDCl_3$

Table S14. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **17.**

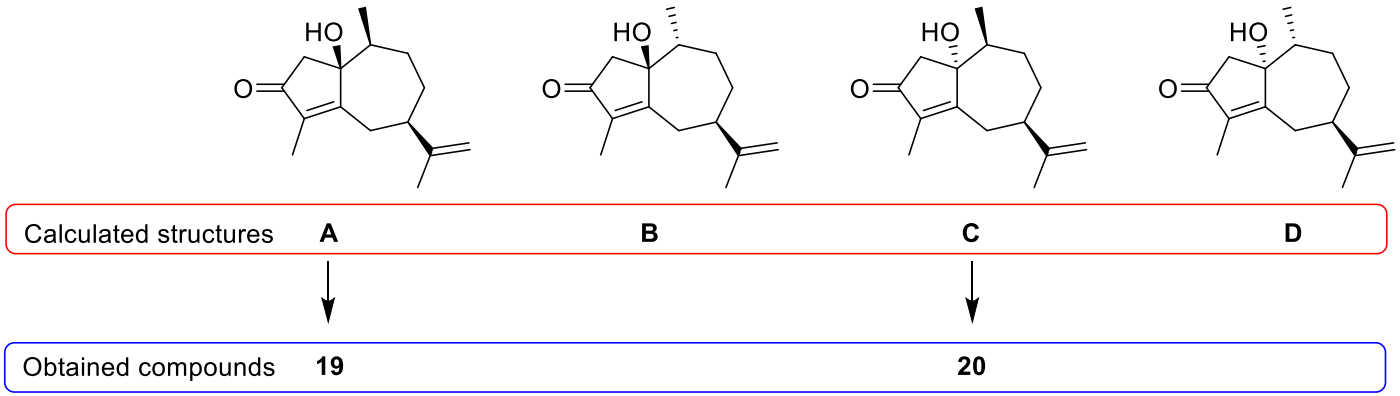


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	64.2	62.4	38-H	3.45	3.40
8-C	30.5	32.8	37-H	4.45	3.78
7-C	41.6	44.2	36-H	2.03	2.00
6-C	33.0	33.5	35-H	2.03	2.00
5-C	84.9	78.5	34-H	2.03	2.00
4-C	174.8	179.0	33-H	5.23	5.28
3-C	145.9	143.1	32-H	5.30	5.25
2-C	209.6	210.2	30-H	1.89	1.91
1-C	49.7	48.7	29-H	1.89	1.91
17-C	68.0	60.1	28-H	1.89	1.91
16-C	18.7	17.4	27-H	1.64	2.27
15-C	112.7	112.8	26-H	2.16	2.37
14-C	157.9	158.2	25-H	3.14	2.44
12-C	6.8	7.1	24-H	3.01	2.90
10-C	63.5	65.2	23-H	2.86	3.03
			22-H	3.12	3.49

	21-H	2.52	2.58
	19-H	3.38	3.49

[a] Calculated in $CDCl_3$

Table S15. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A−D** corresponds to **19−20.**

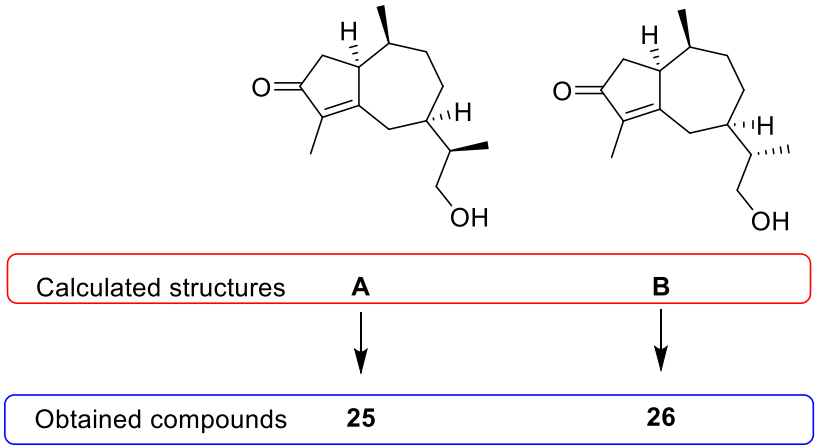


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	δ_{calcd}-**C** [a]	δ_{calcd}-**D** [a]
9-C	17.9	17.8	18.2	17.2
8-C	158.1	160.1	157.0	160.4
7-C	46.7	42.3	39.3	40.1
6-C	25.9	33.2	25.5	29.4
5-C	29.1	33.3	27.1	29.4
4-C	42.5	43.0	42.1	42.4
3-C	27.0	37.2	31.5	37.0
2-C	180.1	182.1	179.5	180.2
1-C	79.2	81.7	81.1	82.6
17-C	6.3	4.9	4.6	3.8
15-C	208.4	208.0	208.4	206.5
14-C	140.4	139.2	140.4	141.3
12-C	51.0	51.3	49.6	52.1
11-C	14.4	15.9	13.5	11.8
10-C	110.7	109.8	111.8	109.8

39-H	1.82	1.75	1.79	1.74
38-H	1.82	1.75	1.79	1.74
37-H	1.82	1.75	1.79	1.74
35-H	2.64	2.78	2.54	2.64
34-H	2.29	2.40	2.49	2.44
33-H	1.12	1.13	0.82	0.73
32-H	1.12	1.13	0.82	0.73
31-H	1.12	1.13	0.82	0.73
30-H	5.17	5.11	5.30	5.09
29-H	5.14	5.15	5.28	5.18
28-H	1.98	1.93	1.92	1.91
27-H	1.98	1.93	1.92	1.91
26-H	1.98	1.93	1.92	1.91
25-H	1.19	1.59	2.19	2.20
24-H	1.40	1.67	1.53	1.53
23-H	1.93	1.86	2.17	2.45
22-H	1.39	1.59	1.81	1.80
21-H	1.90	1.79	2.13	1.58
20-H	2.73	3.06	2.59	3.38
19-H	2.66	2.83	2.71	2.71
18-H	2.96	2.92	2.89	2.77

[a] Calculated in $CDCl_3$

Table S16. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A−B** corresponds to **25-26.**

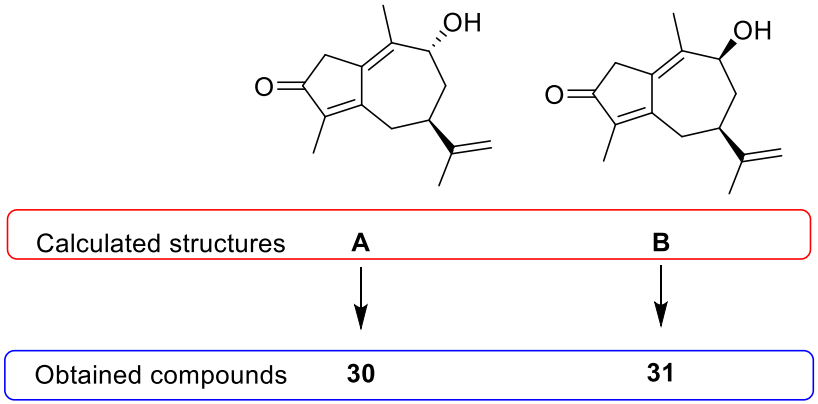


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
1-C	214.5	214.8	18-H	3.20	3.23
2-C	144.9	145.1	19-H	1.91	1.89
3-C	189.5	188.8	20-H	2.55	2.53
4-C	50.8	50.8	21-H	2.76	2.69
5-C	46.4	46.4	22-H	2.39	2.56
6-C	37.2	41.2	23-H	2.00	2.06
7-C	39.8	39.9	24-H	1.49	1.52
8-C	34.3	30.2	25-H	1.57	1.36
9-C	40.1	40.2	26-H	1.82	1.78
10-C	41.2	41.4	27-H	1.77	1.69
11-C	9.0	9.5	28-H	1.93	1.97
13-C	47.0	46.9	29-H	1.46	1.54
14-C	12.6	12.8	30-H	1.64	1.77
15-C	69.4	68.8	31-H	1.90	1.73
17-C	14.2	14.1	32-H	1.66	1.60
			33-H	0.85	0.98
			34-H	0.99	0.96
			35-H	0.69	0.67
			36-H	3.59	3.62
			37-H	3.60	3.52

	39-H	0.37	0.41
	40-H	0.57	0.53
	41-H	0.66	0.61

[a] Calculated in $CDCl_3$

Table S17. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A−B** corresponds to **30-31.**

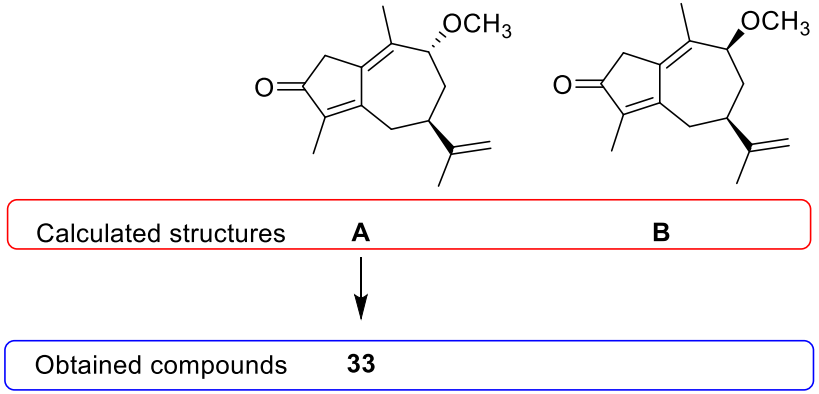


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	17.4	17.2	36-H	1.76	2.12
8-C	158.0	158.8	35-H	2.34	2.06
7-C	145.7	144.6	34-H	1.62	1.61
6-C	72.1	75.2	33-H	3.19	3.23
5-C	40.3	39.9	32-H	3.13	3.11
4-C	39.8	42.4	31-H	2.03	2.02
3-C	35.8	35.6	30-H	2.12	2.08
2-C	173.7	174.2	29-H	2.10	2.38
1-C	136.0	137.0	28-H	5.24	5.22
16-C	5.2	5.2	27-H	5.24	5.21
14-C	206.9	206.6	26-H	2.06	2.04
13-C	142.6	142.8	25-H	1.96	2.14
12-C	41.4	41.5	24-H	2.20	1.94
11-C	18.8	20.5	23-H	4.69	4.46

10-C	112.6	112.5	22-H	2.49	2.13
			21-H	2.20	2.18
			20-H	2.84	2.56
			19-H	2.99	2.83
			18-H	2.78	3.38

[a] Calculated in $CDCl_3$

Table S18. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **33.**

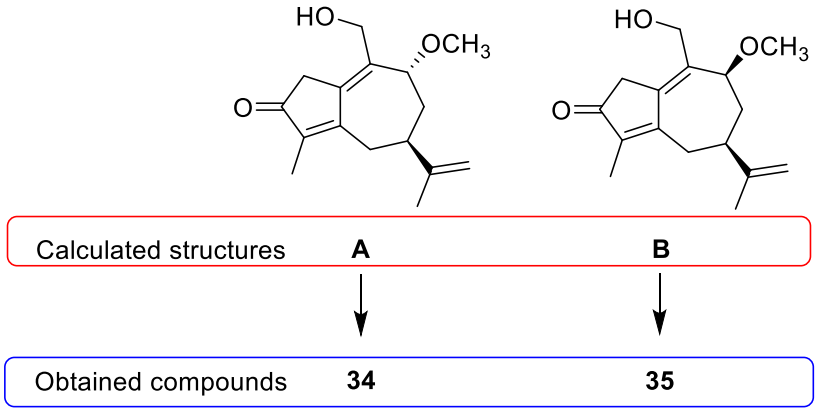


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	82.8	80.7	40-H	3.35	3.75
8-C	37.5	33.5	39-H	3.40	3.24
7-C	40.5	39.7	38-H	3.61	3.62
6-C	34.7	34.9	37-H	2.00	1.96
5-C	143.0	142.7	36-H	1.92	2.05
4-C	207.3	207.2	35-H	2.18	2.04
3-C	41.1	41.2	34-H	2.24	2.27
2-C	137.6	137.9	33-H	1.83	1.84
1-C	173.8	173.9	32-H	1.74	1.60
18-C	53.6	54.8	31-H	1.95	2.02
15-C	20.7	18.2	30-H	2.10	2.33
14-C	6.3	5.1	29-H	2.29	2.08

13-C	21.2	20.0	28-H	5.25	5.23
12-C	110.5	112.2	27-H	5.29	5.23
11-C	160.0	157.9	26-H	3.87	4.02
10-C	143.6	144.9	25-H	2.45	2.26
			24-H	1.90	1.97
			23-H	2.27	3.01
			22-H	2.98	3.15
			21-H	3.32	2.89
			20-H	3.22	3.19
			19-H	3.11	3.10

[a] Calculated in $CDCl_3$

Table S19. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **34**−**35.**

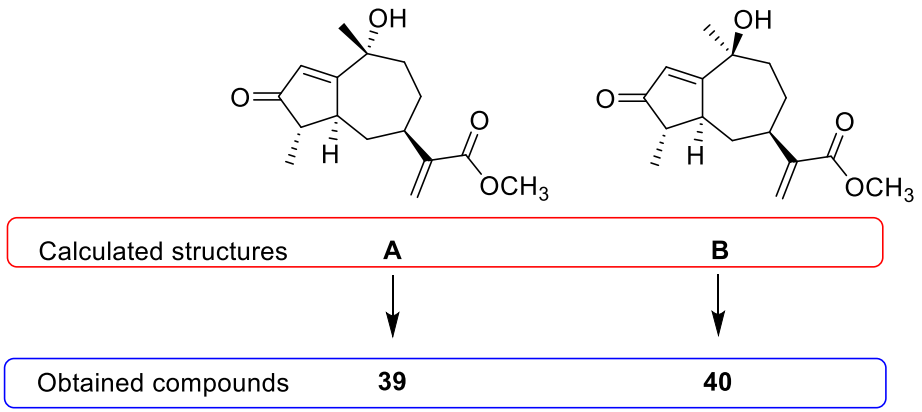


No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
9-C	81.9	84.2	41-H	3.77	3.74
8-C	34.6	36.9	40-H	3.28	3.60
7-C	40.2	40.5	39-H	3.67	3.48
6-C	33.3	36.2	37-H	2.00	1.97
5-C	144.4	146.3	36-H	2.05	1.99
4-C	207.4	206.5	35-H	2.11	2.16
3-C	39.8	40.3	34-H	2.27	2.56

2-C	138.8	140.2	33-H	1.70	1.68
1-C	173.7	172.4	32-H	1.91	1.65
19-C	54.1	54.5	31-H	4.42	4.23
15-C	18.3	17.7	30-H	4.36	4.31
14-C	5.4	5.7	29-H	5.24	5.26
13-C	64.0	64.9	28-H	5.29	5.24
12-C	112.6	111.8	27-H	4.46	4.15
11-C	156.8	158.4	26-H	2.08	2.35
10-C	145.04	142.87	25-H	2.28	1.92
			24-H	2.77	2.39
			23-H	2.91	2.88
			22-H	2.88	3.21
			21-H	3.29	3.25
			20-H	3.17	3.33

[a] Calculated in $CDCl_3$

Table S20. Calculated chemical shifts of ^{1}H NMR and ^{13}C NMR for **A**−**B** corresponds to **39**−**40.**



No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]	No	δ_{calcd}-**A** [a]	δ_{calcd}-**B** [a]
1-C	198.49	200.11	21-H	2.84	2.63
2-C	53.87	52.05	22-H	1.61	1.68
3-C	38.10	38.42	23-H	2.20	1.81

4-C	39.18	40.08	24-H	2.32	2.32
5-C	34.75	35.01	25-H	1.83	1.64
6-C	46.13	46.55	26-H	1.51	1.67
7-C	77.05	78.25	27-H	1.95	1.96
8-C	155.27	154.59	28-H	1.52	1.65
9-C	173.49	173.28	29-H	6.83	6.78
10-C	132.87	132.86	30-H	5.92	5.92
11-C	134.01	134.17	31-H	5.95	6.38
12-C	52.76	53.89	32-H	2.36	2.41
13-C	216.91	215.61	33-H	1.62	1.62
14-C	13.86	13.89	34-H	1.10	1.09
16-C	30.96	26.15	35-H	0.46	0.45
20-C	53.08	53.20	36-H	1.81	1.81
			37-H	1.32	1.20
			38-H	1.24	1.27
			40-H	3.64	3.59
			41-H	3.64	3.66
			42-H	3.58	3.66

[a] Calculated in $CDCl_3$

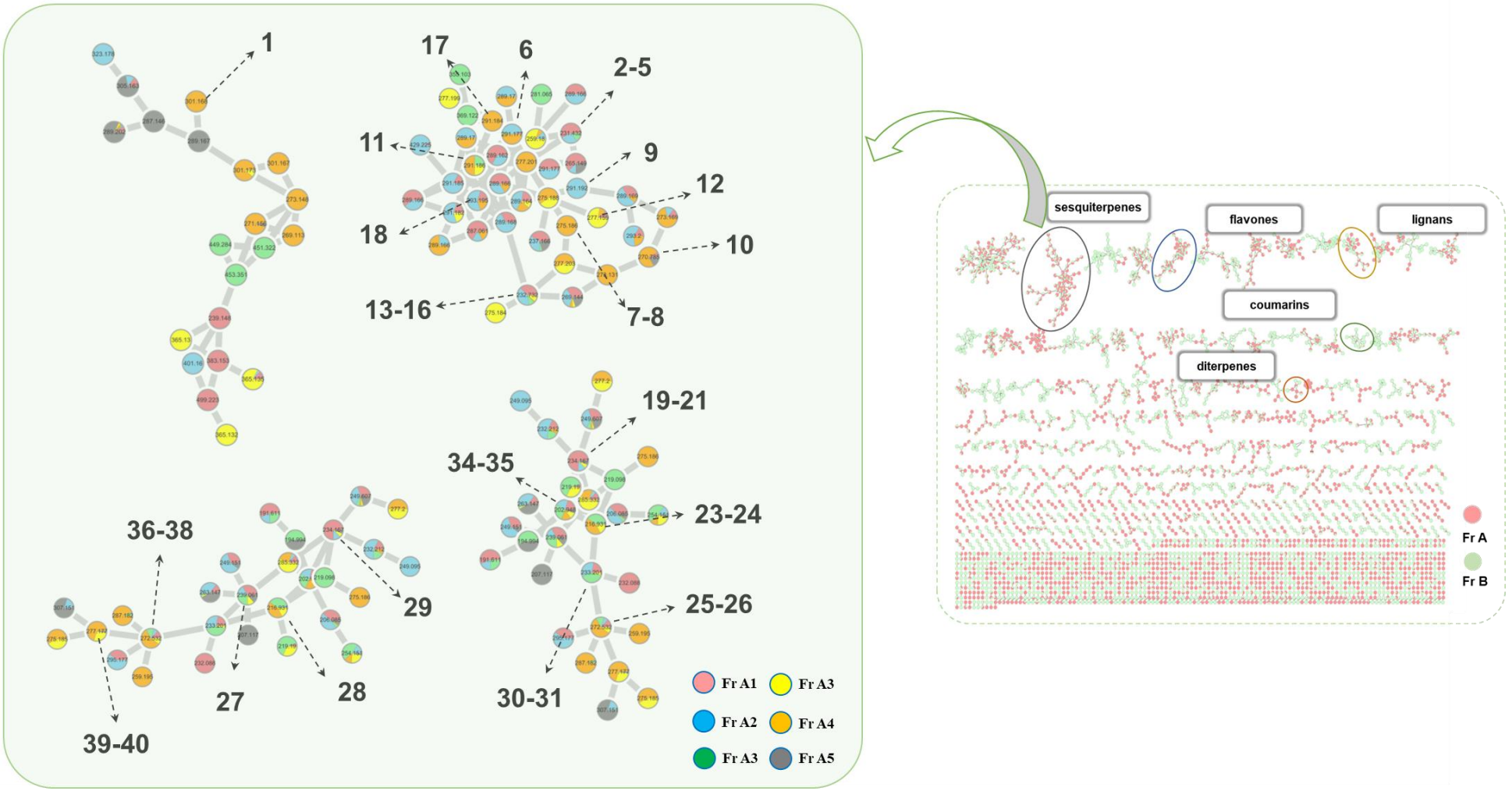
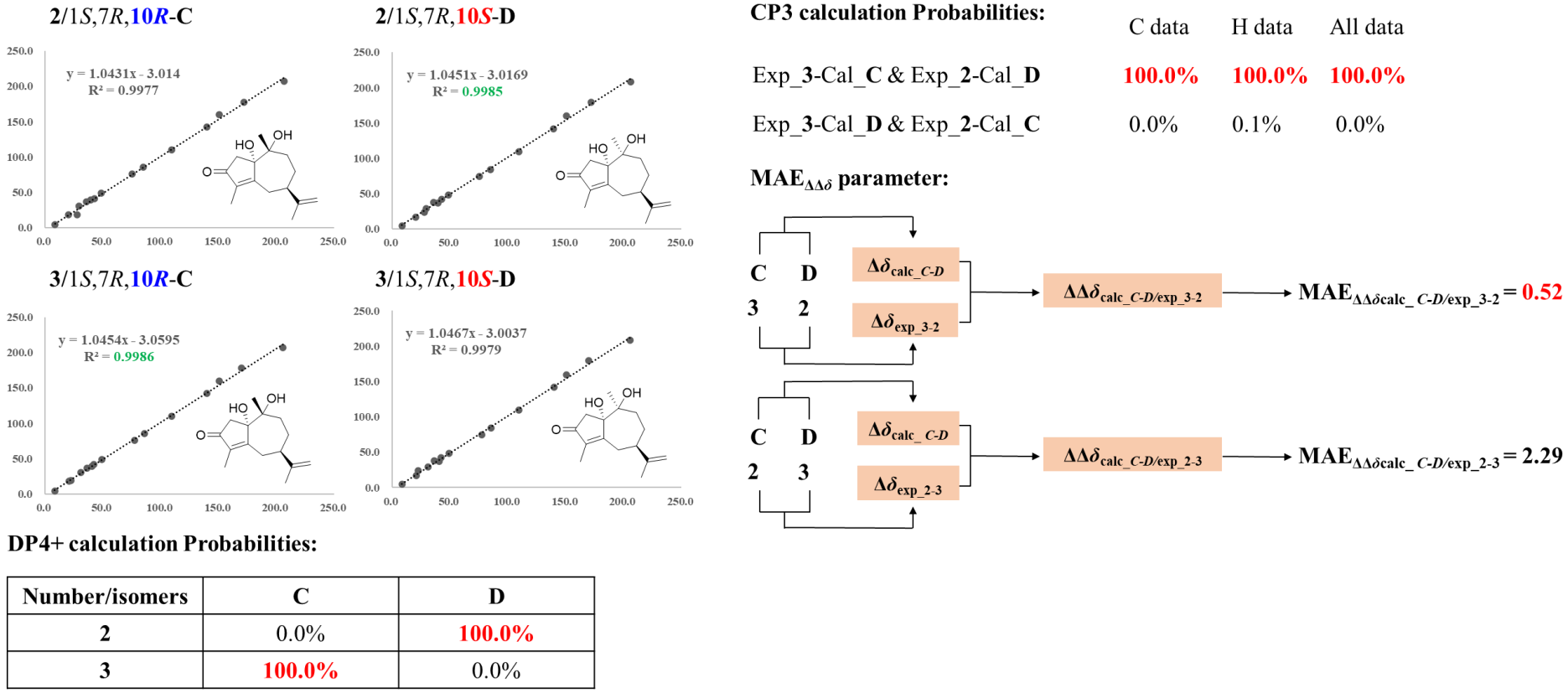


Figure S1. The molecular network was built by HPLC-MS/MS analyses of fractions in *Daphne penicillata*. The molecule cluster including the novel sesquiterpenes is highlighted. The parent *m/z* of nodes are displayed; The pie charts of nodes represent the source of the compounds.



CP3 calculation Probabilities:

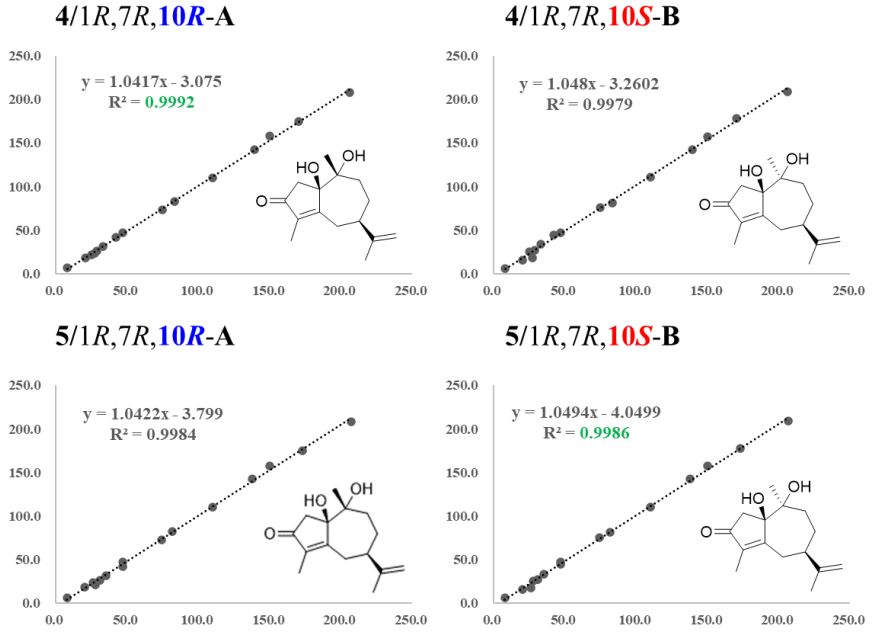
	C data	H data	All data
Exp_**3**-Cal_**C** & Exp_**2**-Cal_**D**	**100.0%**	**100.0%**	**100.0%**
Exp_**3**-Cal_**D** & Exp_**2**-Cal_**C**	0.0%	0.1%	0.0%

$MAE_{\Delta\Delta\delta}$ parameter:

DP4+ calculation Probabilities:

Number/isomers	C	D
2	0.0%	**100.0%**
3	**100.0%**	0.0%

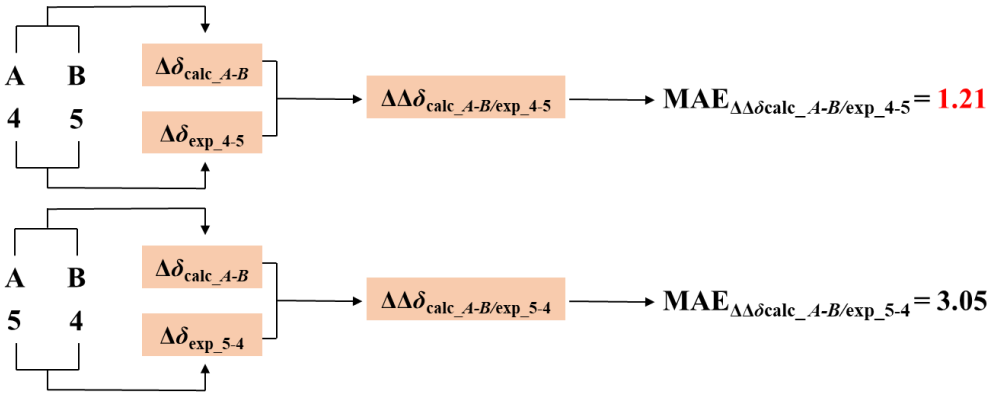
Figure S2. Linear correlation (R^2), DP4+, CP3 and $MAE_{\Delta\Delta\delta}$ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **2**−**3** and **A**−**D.**



CP3 calculation Probabilities:

	C data	H data	All data
Exp_**4**-Cal_**A** & Exp_**5**-Cal_**B**	**100.0%**	**100.0%**	**100.0%**
Exp_**4**-Cal_**B** & Exp_**5**-Cal_**A**	0.0%	0.1%	0.0%

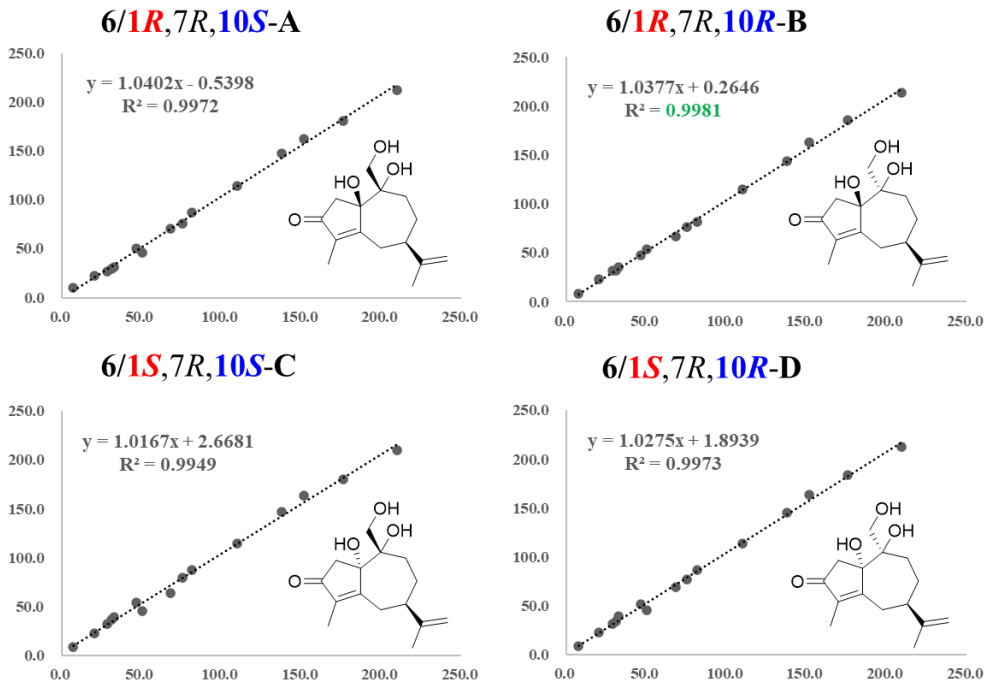
$MAE_{\Delta\Delta\delta}$ parameter:



DP4+ calculation Probabilities:

Number/isomers	A	B
4	**100.0%**	0.0%
5	1.2%	**98.8%**

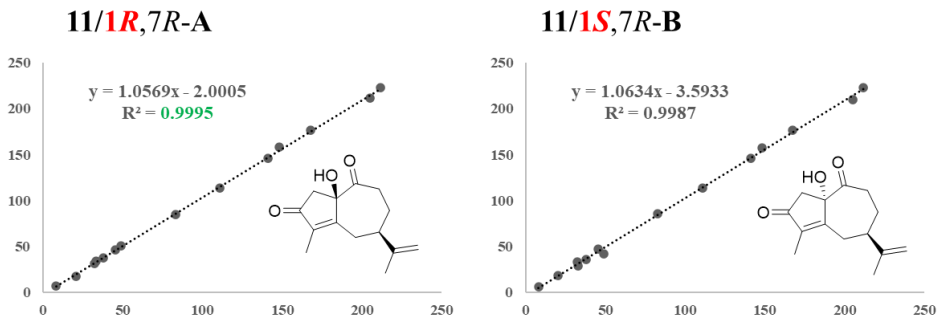
Figure S3. Linear correlation (R^2), DP4+, CP3 and $MAE_{\Delta\Delta\delta}$ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **4**−**5** and **A**−**D.**



DP4+ calculation Probabilities:

Number/isomers	A	B	C	D
6	0.0%	**100.0%**	0.0%	0.0%

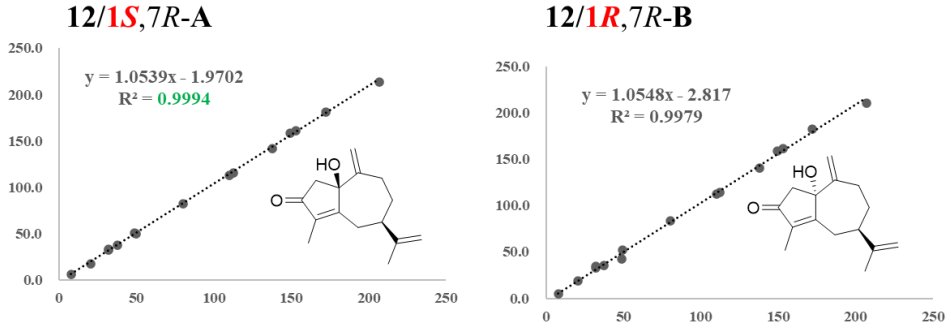
Figure S4. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **6** and **A−D.**



DP4+ calculation Probabilities:

Number/isomers	A	B
11	100.0%	0.0%

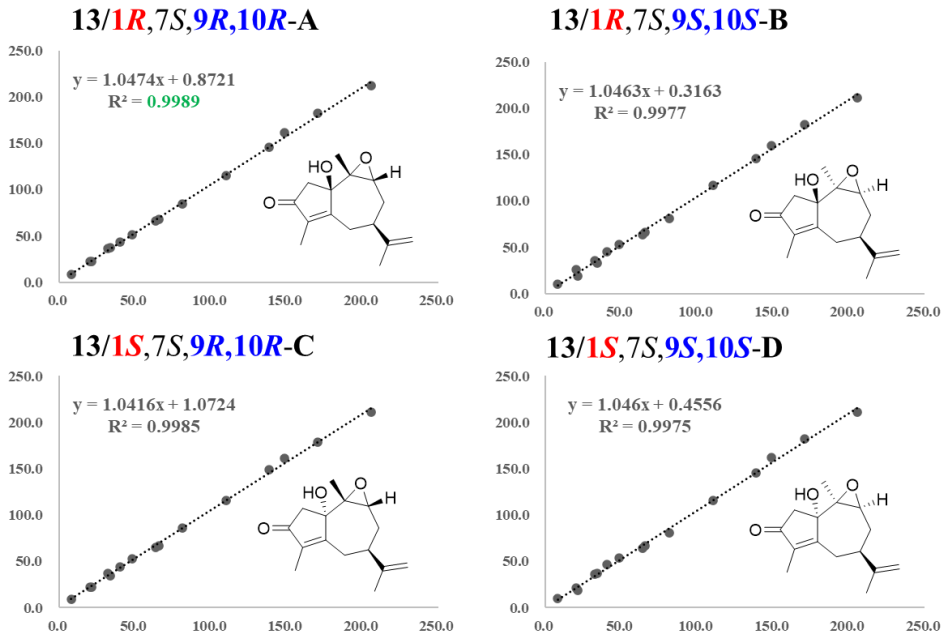
Figure S5. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **11** and **A**−**B.**



DP4+ calculation Probabilities:

Number/isomers	A	B
12	100.0%	0.0%

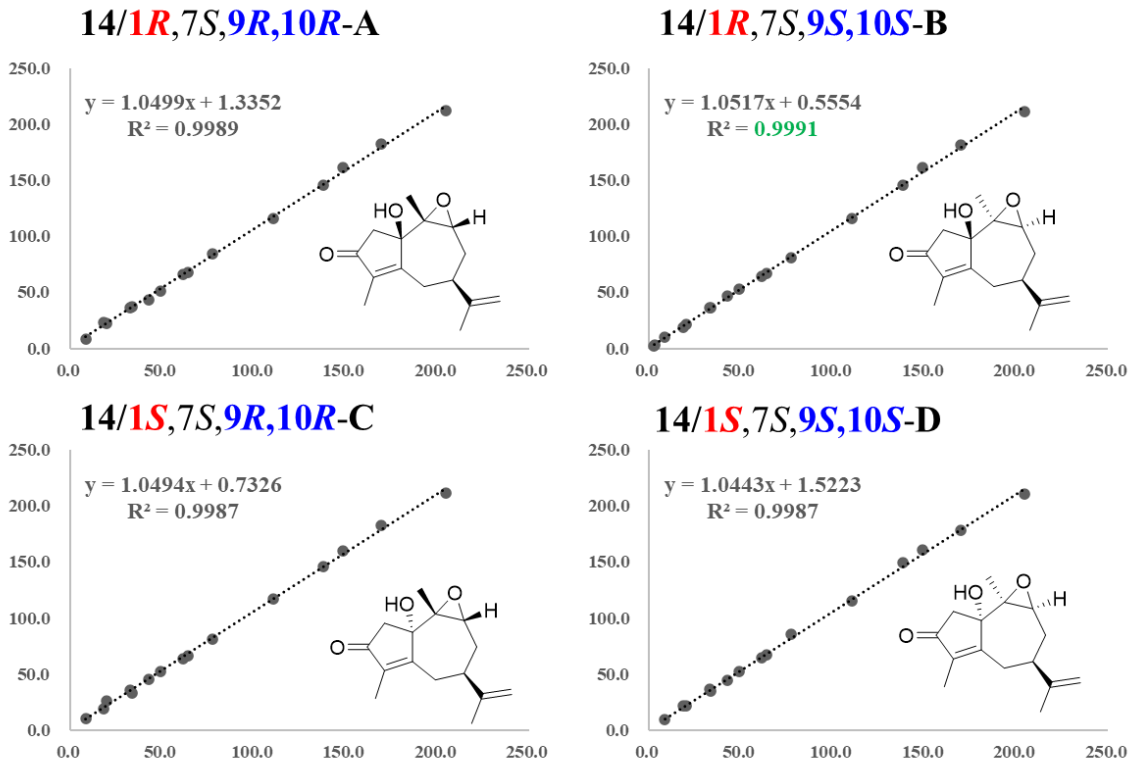
Figure S6. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **12** and **A**−**B.**



DP4+ calculation Probabilities:

Number/isomers	A	B	C	D
13	100.0%	0.0%	0.0%	0.0%

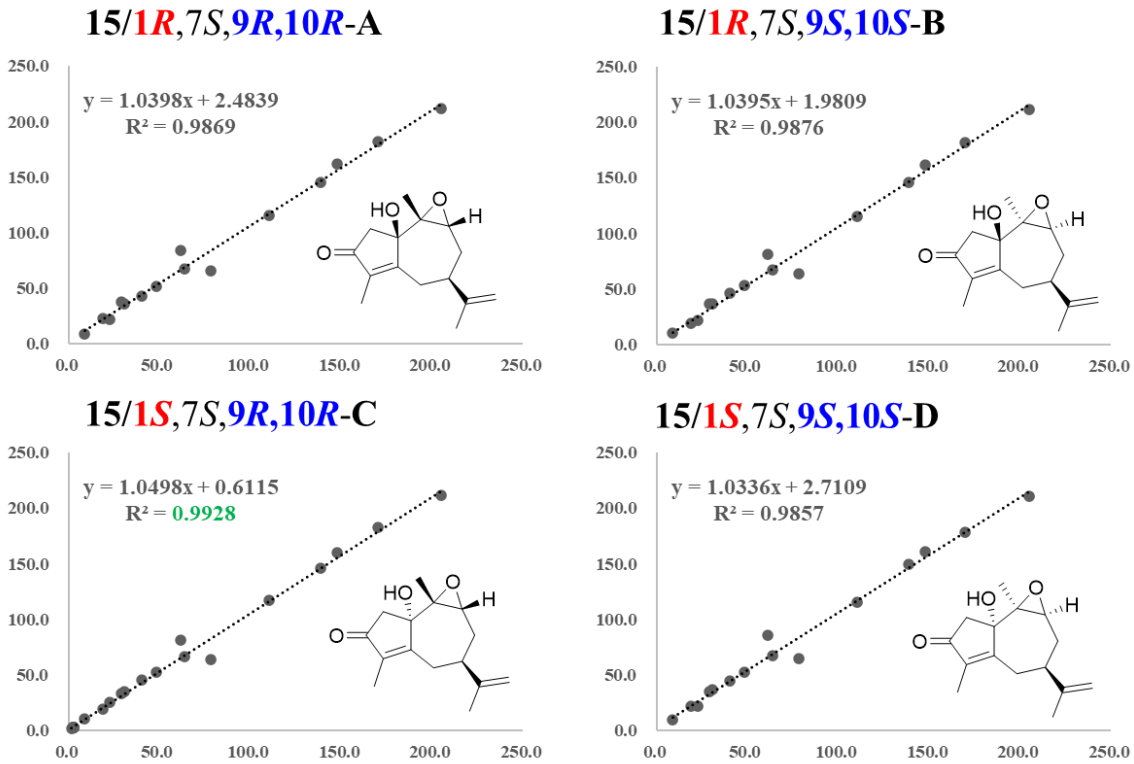
Figure S7. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **13** and **A**−**D.**



DP4+ calculation Probabilities:

Number/isomers	A	B	C	D
14	0.0%	**100.0%**	0.0%	0.0%

Figure S8. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **14** and **A−D.**

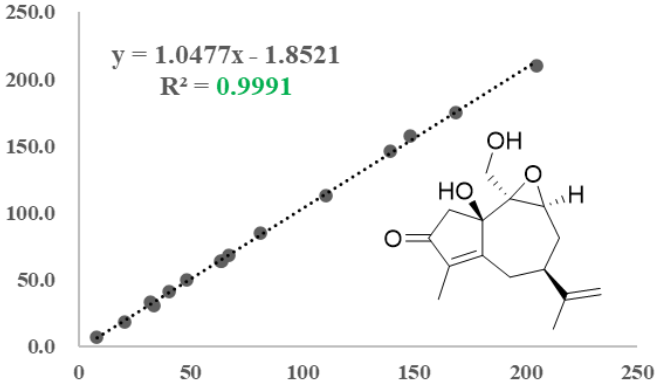


DP4+ calculation Probabilities:

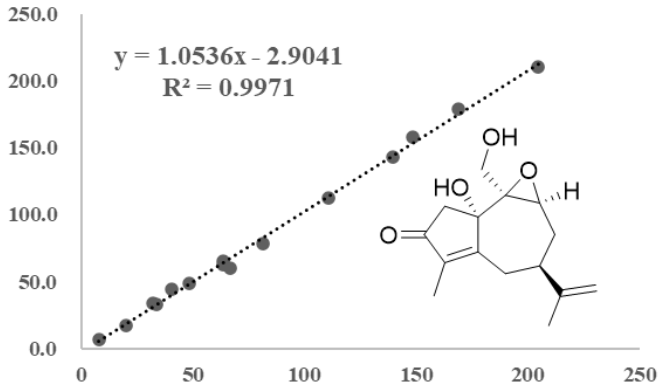
Number/isomers	A	B	C	D
15	0.0%	0.0%	**100.0%**	0.0%

Figure S9. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **15** and **A**−**D.**

17/1*R*,7*S*,9*S*,10*S*-A



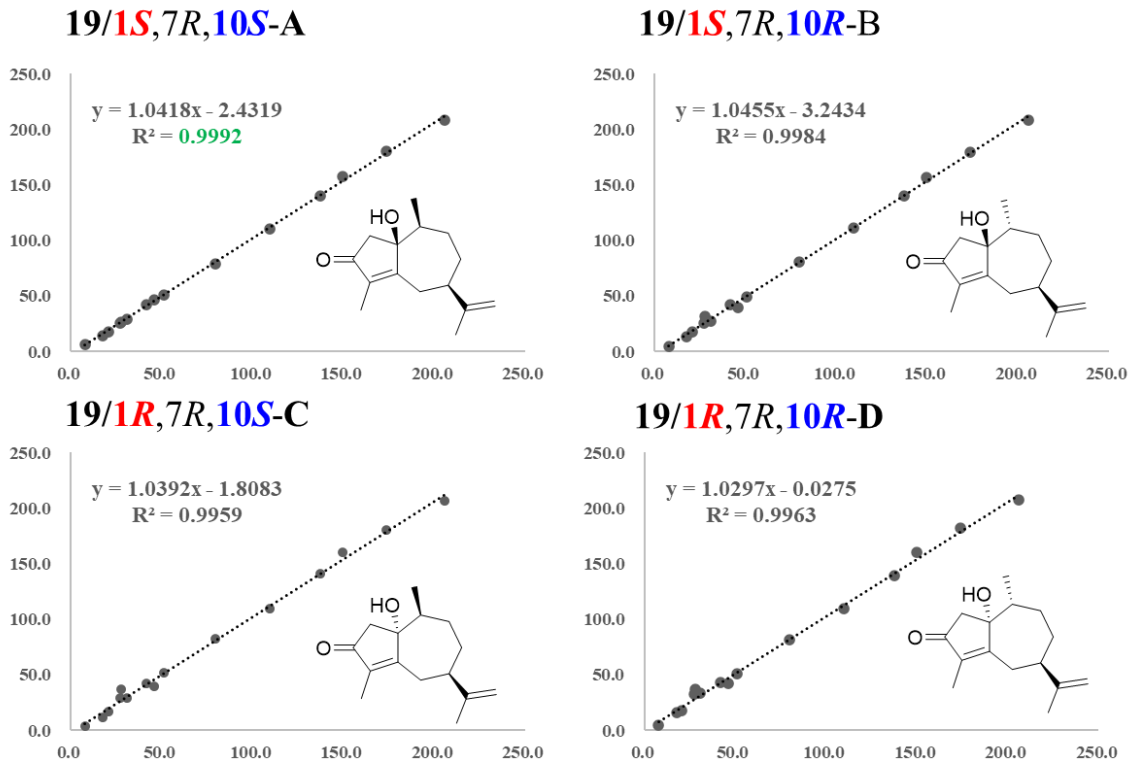
17/1*S*,7*S*,9*S*,10*S*-B



DP4+ calculation Probabilities:

Number/isomers	A	B
17	0.0%	**100.0%**

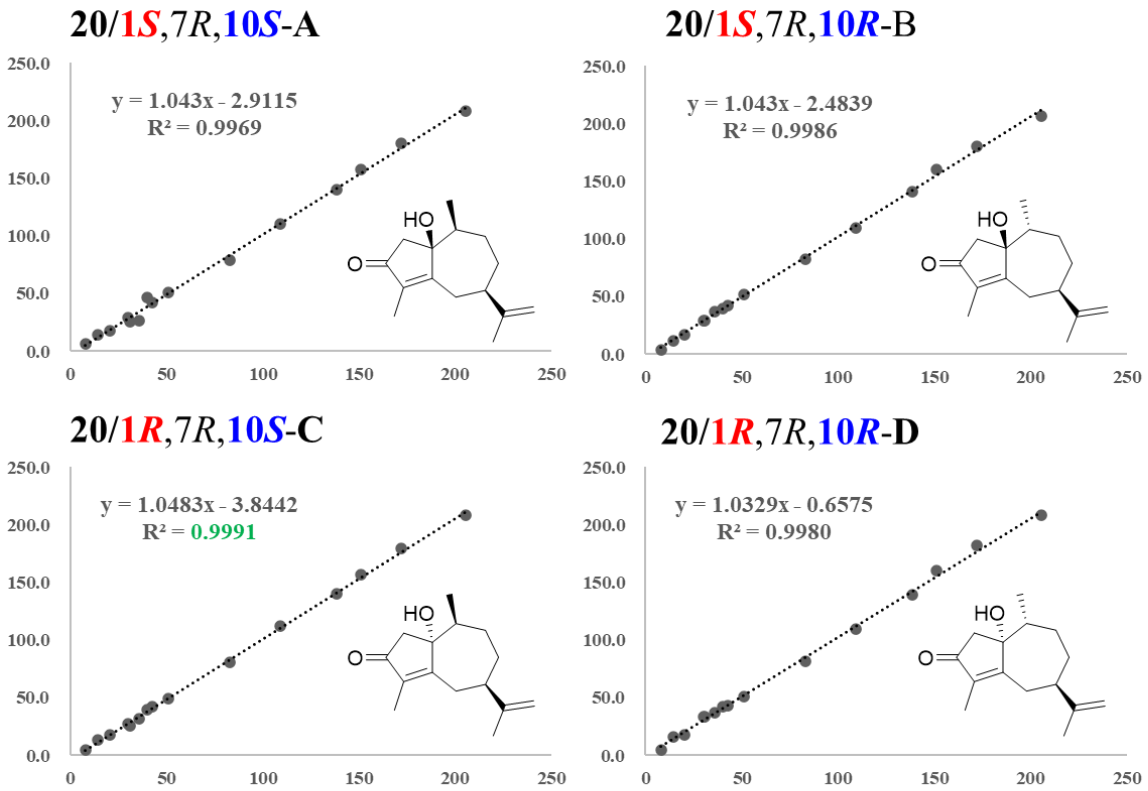
Figure S10. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **17** and **A−B.**



DP4+ calculation Probabilities:

Number/isomers	A	B	C	D
19	100.0%	0.0%	0.0%	0.0%

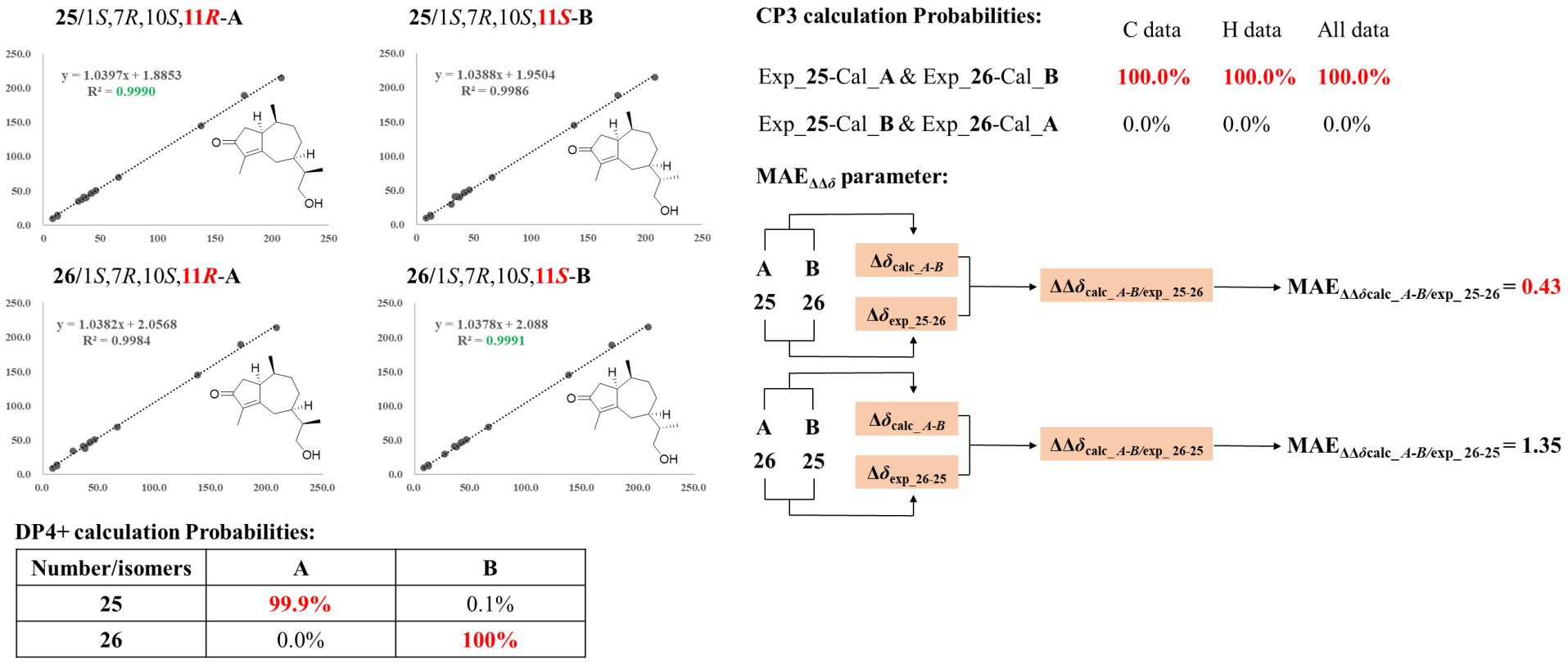
Figure S11. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **19** and **A−D.**



DP4+ calculation Probabilities:

Number/isomers	A	B	C	D
20	0.0%	0.0%	**100.0%**	0.0%

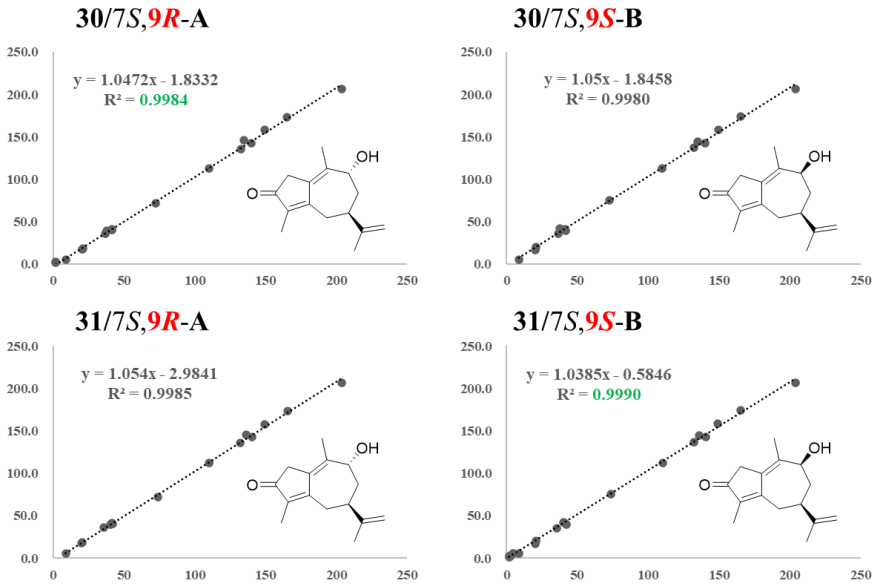
Figure S12. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **20** and **A−D.**



DP4+ calculation Probabilities:

Number/isomers	A	B
25	**99.9%**	0.1%
26	0.0%	**100%**

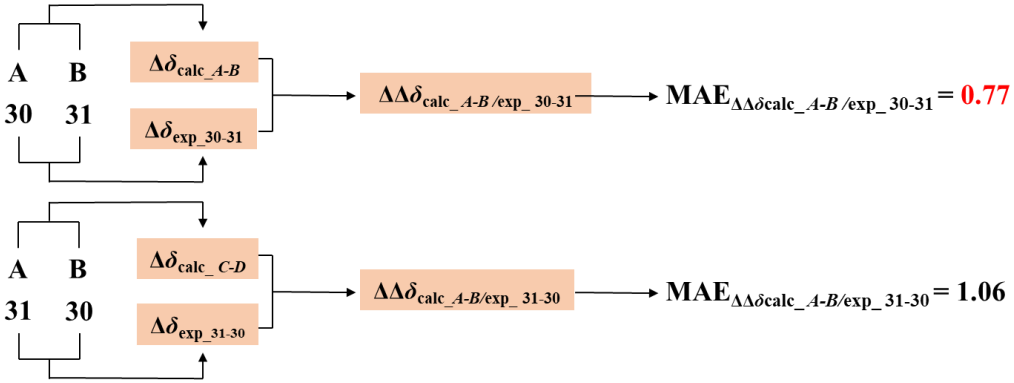
Figure S13. Linear correlation (R^2), DP4+, CP3 and MAE$_{\Delta\Delta\delta}$ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **25**−**26** and **A**−**D.**



CP3 calculation Probabilities:

	C data	H data	All data
Exp_**30**-Cal_**A** & Exp_**31**-Cal_**B**	**100.0%**	**100.0%**	**100.0%**
Exp_**30**-Cal_**B** & Exp_**31**-Cal_**A**	0.0%	0.1%	0.0%

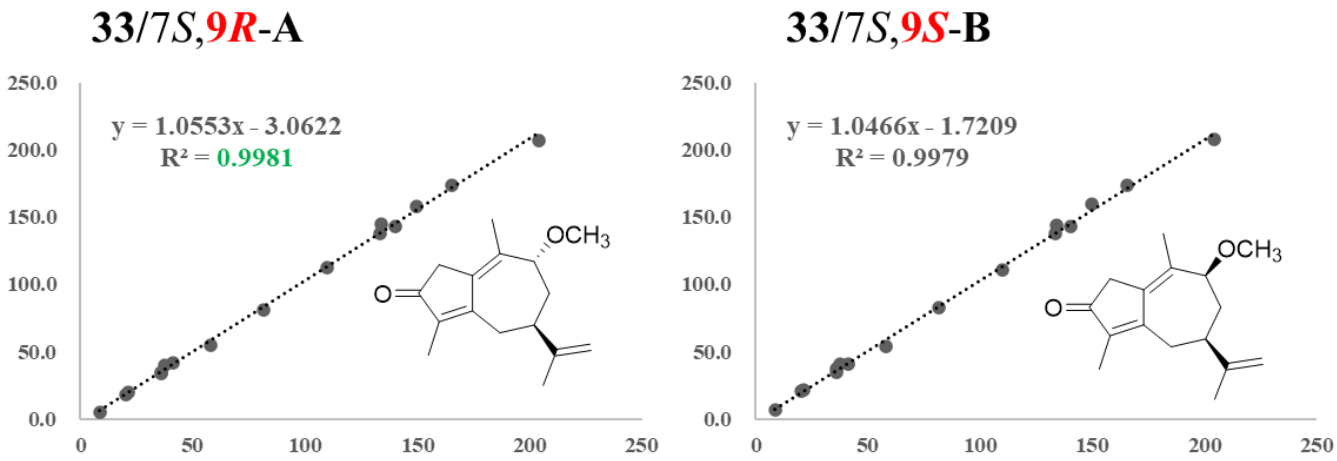
$MAE_{\Delta\Delta\delta}$ parameter:



DP4+ calculation Probabilities:

Number/isomers	A	B
30	**99.9%**	0.1%
31	3.7%	**96.3%**

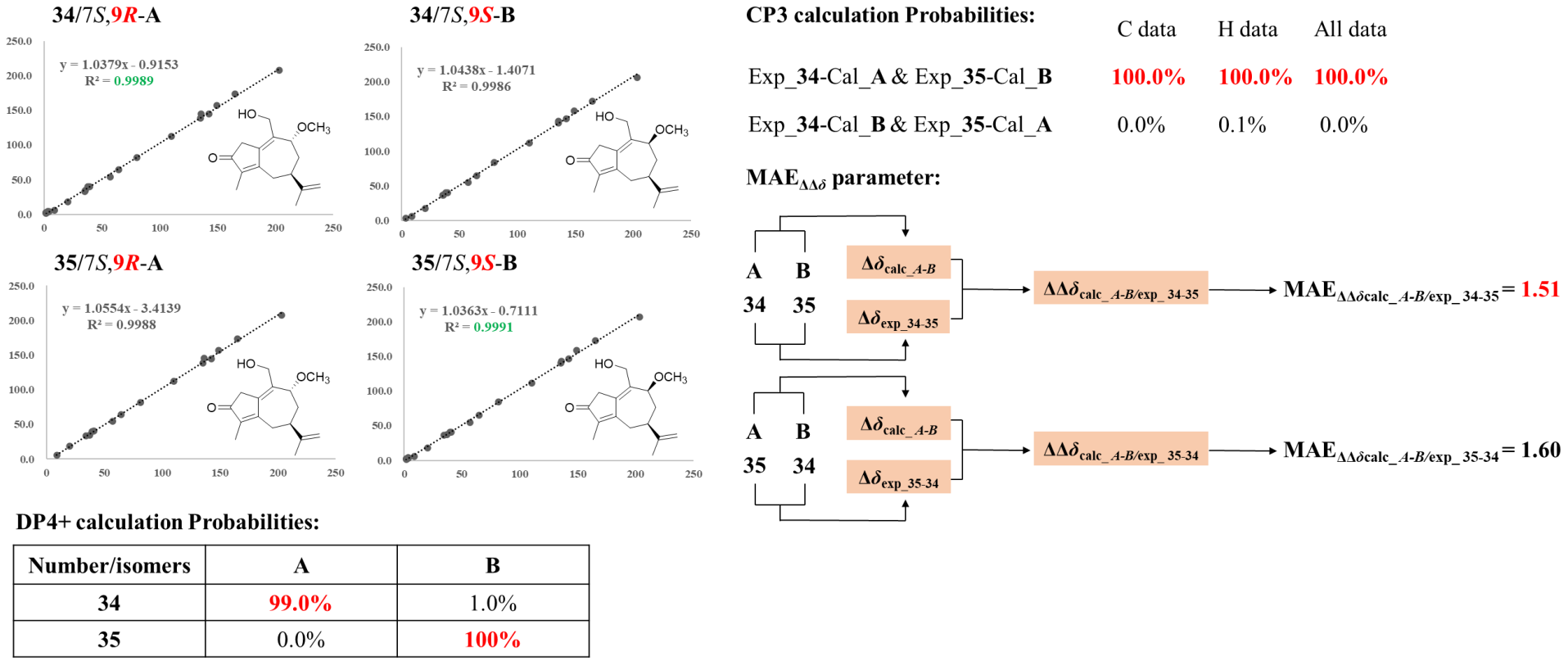
Figure S14. Linear correlation (R^2), DP4+, CP3 and $MAE_{\Delta\Delta\delta}$ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **30**−**31** and **A**−**B.**



DP4+ calculation Probabilities:

Number/isomers	A	B
33	93.2%	0.0%

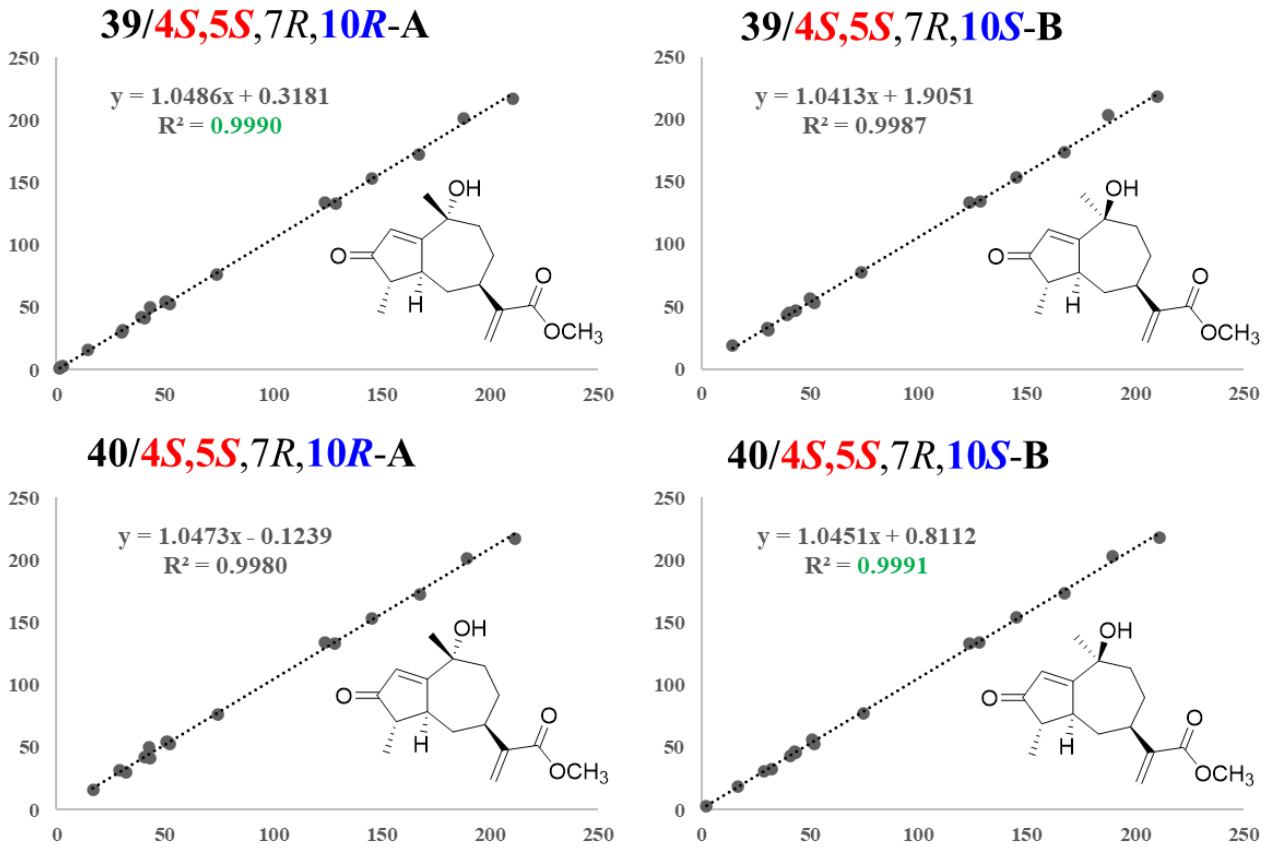
Figure S15. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **33** and **A−B.**



DP4+ calculation Probabilities:

Number/isomers	A	B
34	**99.0%**	1.0%
35	0.0%	**100%**

Figure S16. Linear correlation (R^2), DP4+, CP3 and MAE$_{\Delta\Delta\delta}$ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **34**−**35** and **A**−**B.**



DP4+ calculation Probabilities:

Number/isomers	A	B
39	**100.0%**	0.0%
40	0.0%	**100.0%**

Figure S17. Linear correlation (R^2) and DP4+ parameter between the experimental and calculated ^{13}C NMR chemical shifts between **39−40** and **A−B.**

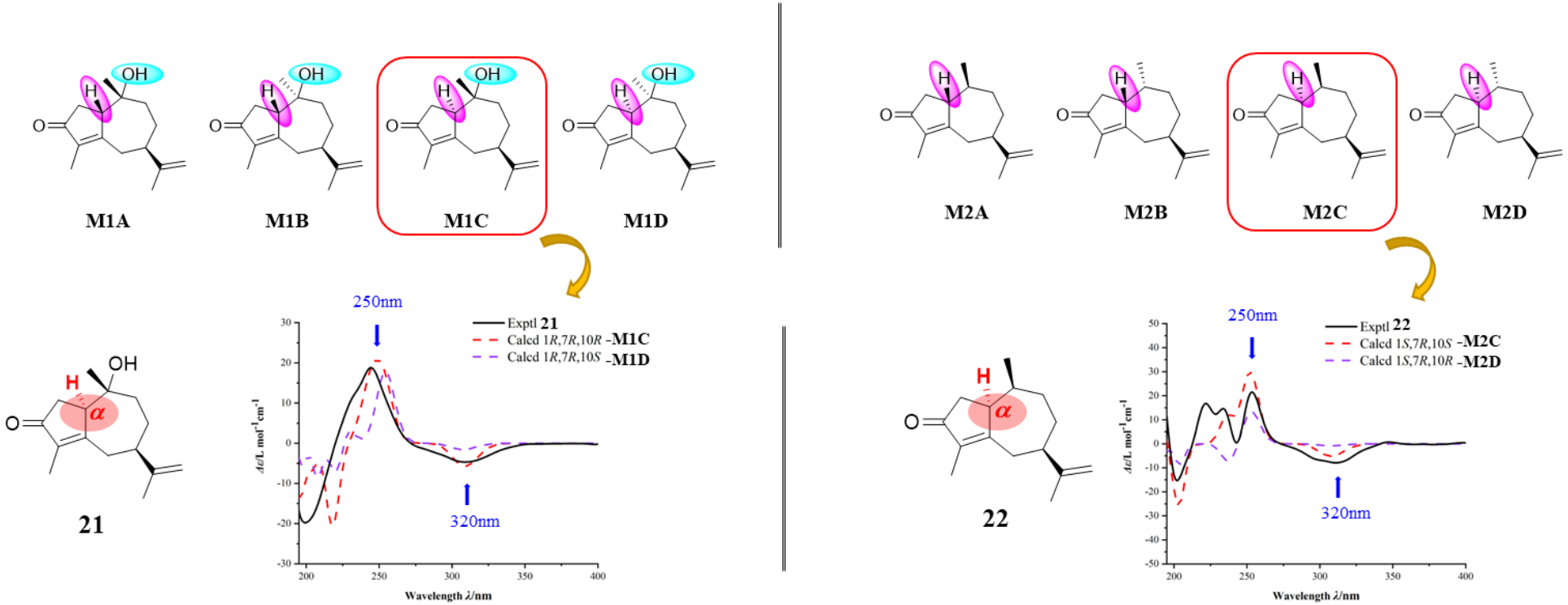
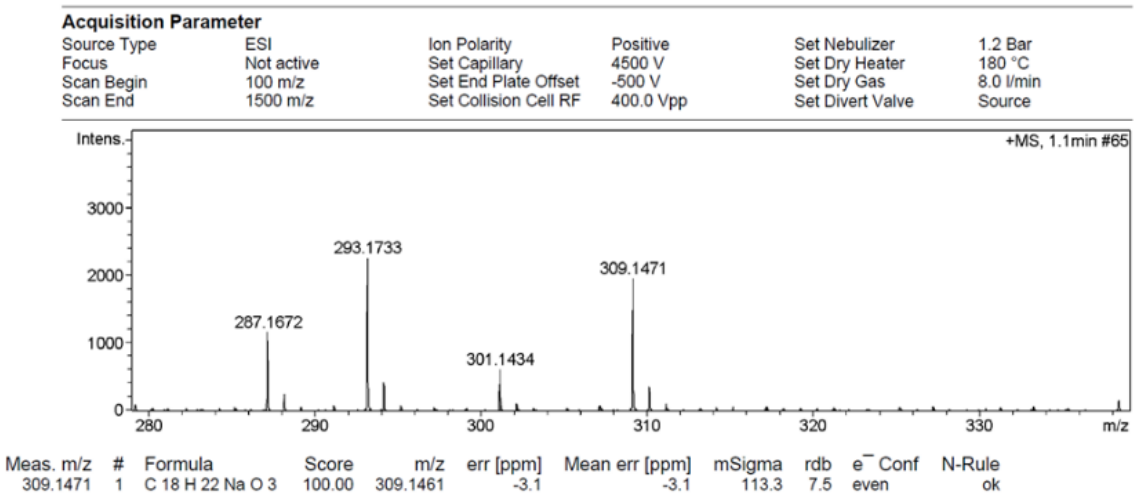


Figure S18. Calculated ECD spectra of model compounds (**M1A-M1D** and **M2A-M2D**) and experimental spectra of **21** and **22**.



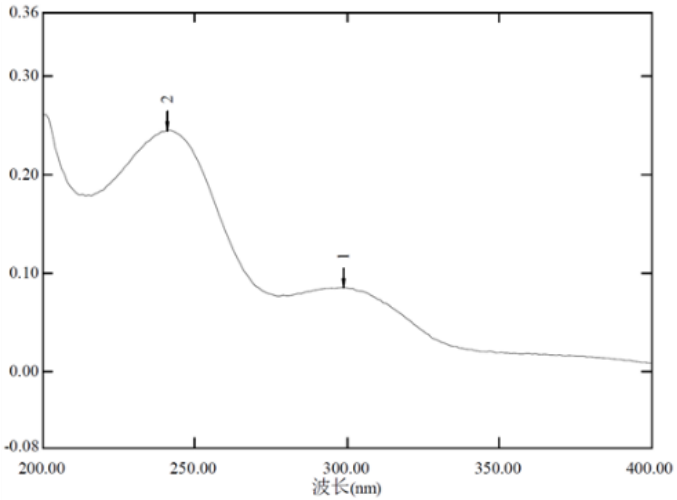


Figure S19 HRESIMS and UV spectra of compound **1**

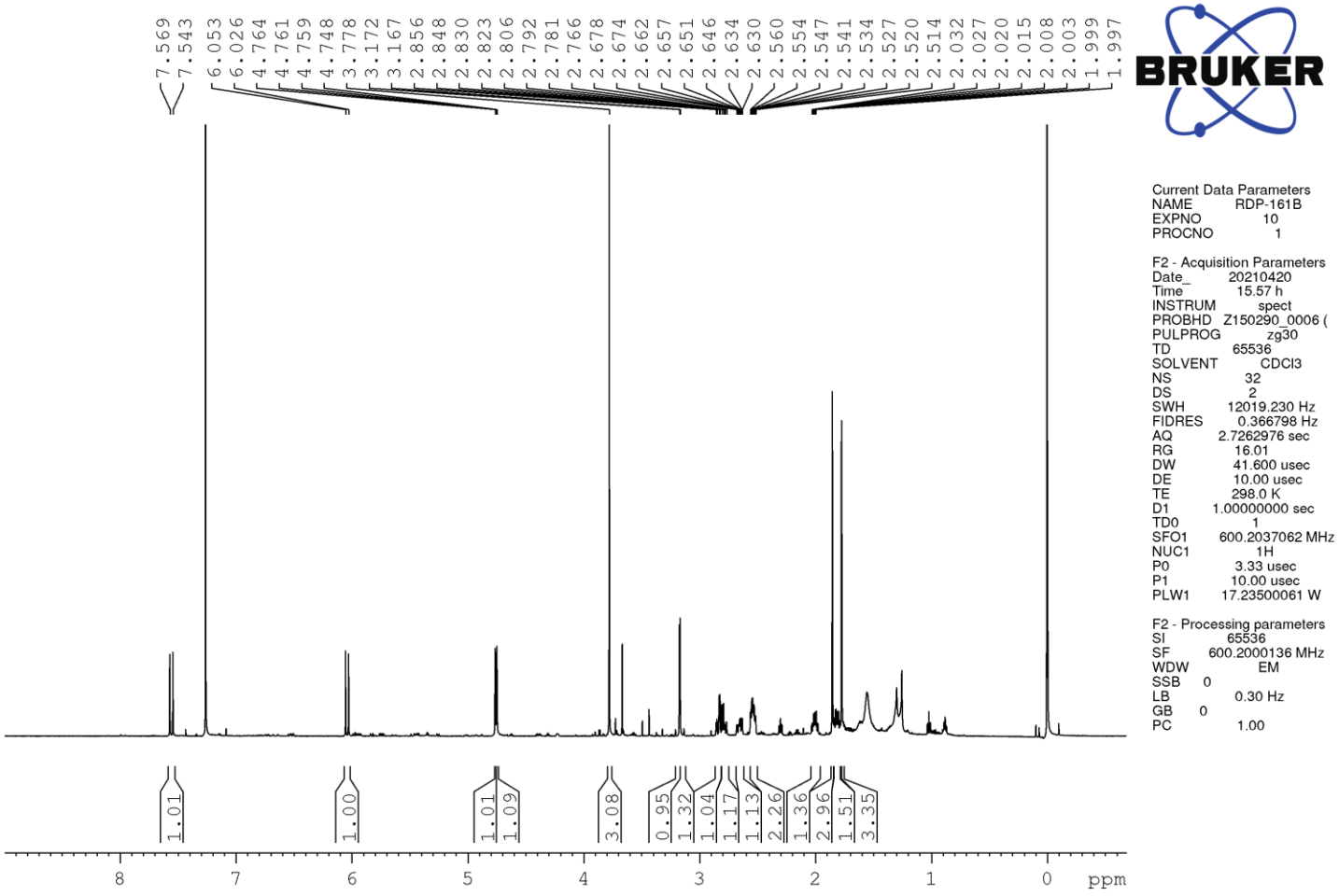


Figure S20 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **1**

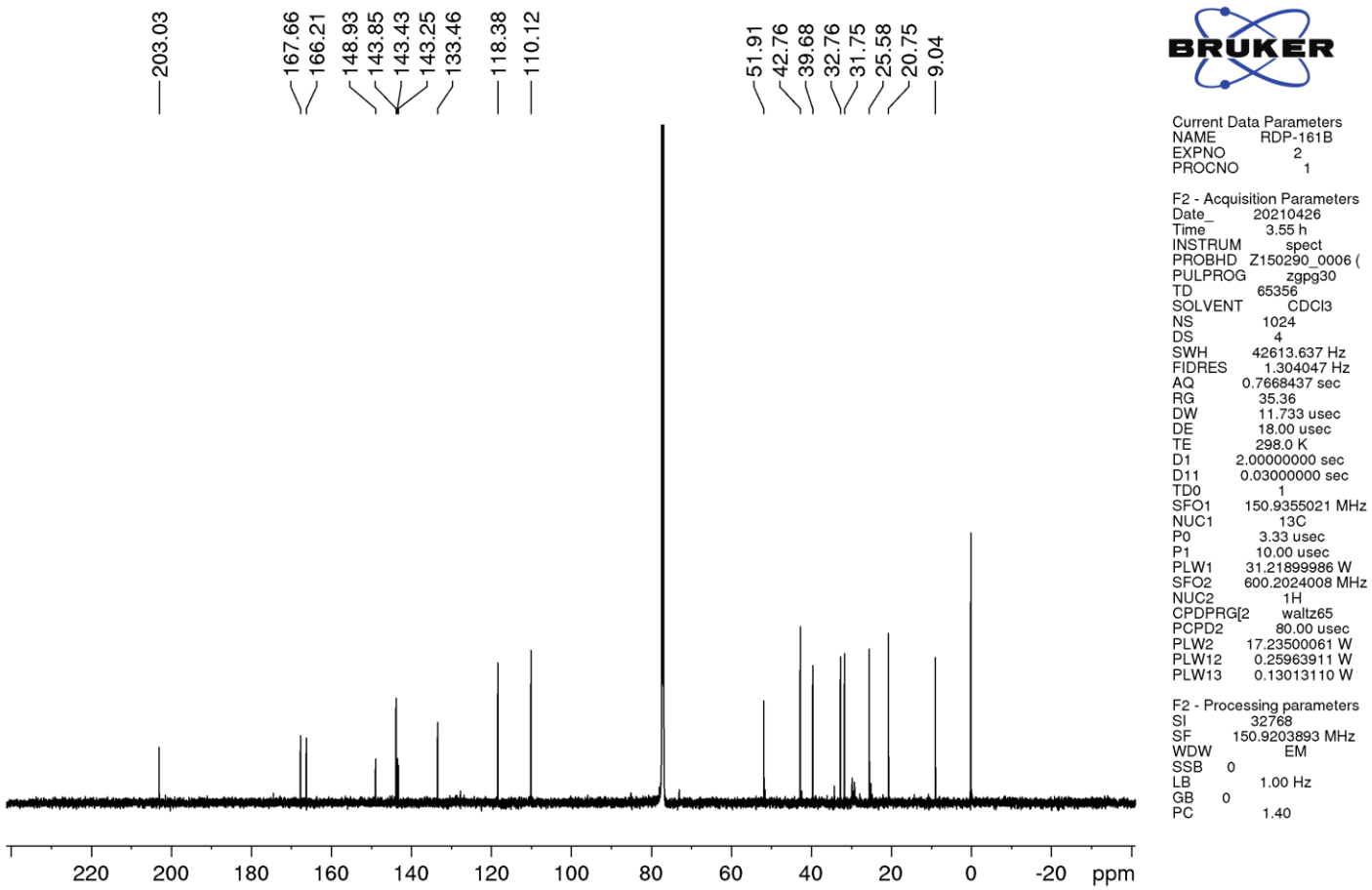


Figure S21 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **1**

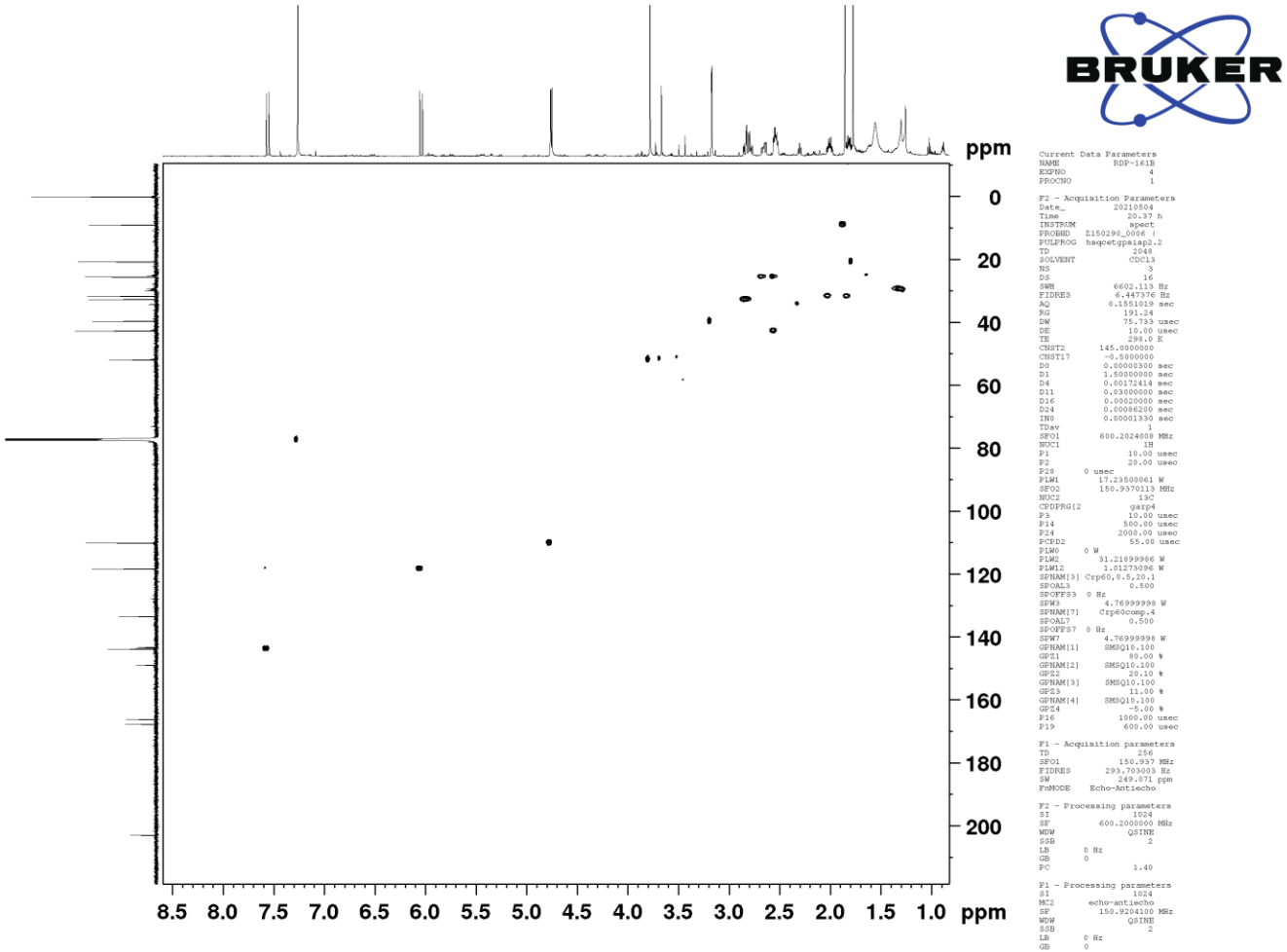


Figure S22 HSQC spectrum (600 MHz, $CDCl_3$) of compound **1**

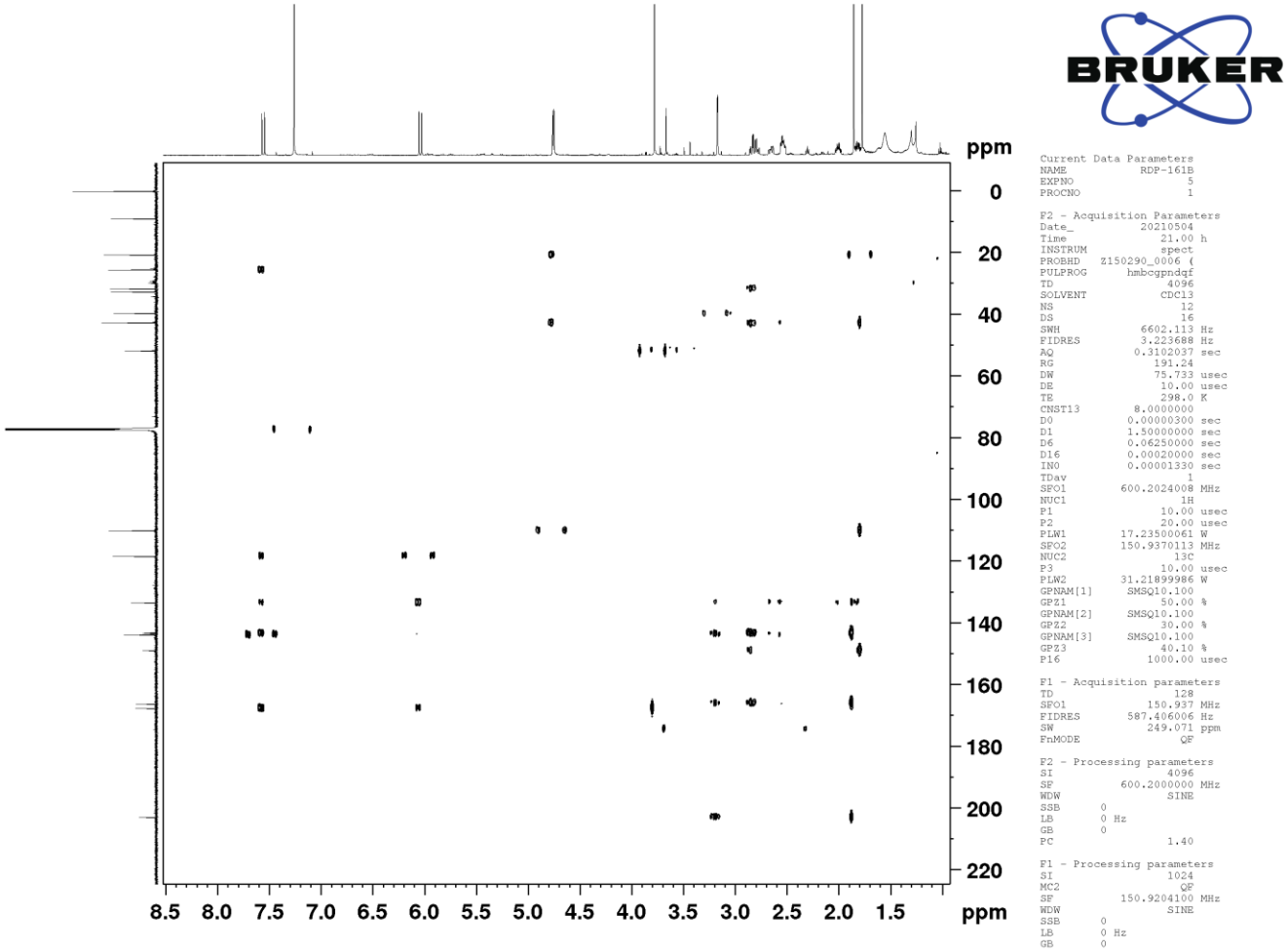
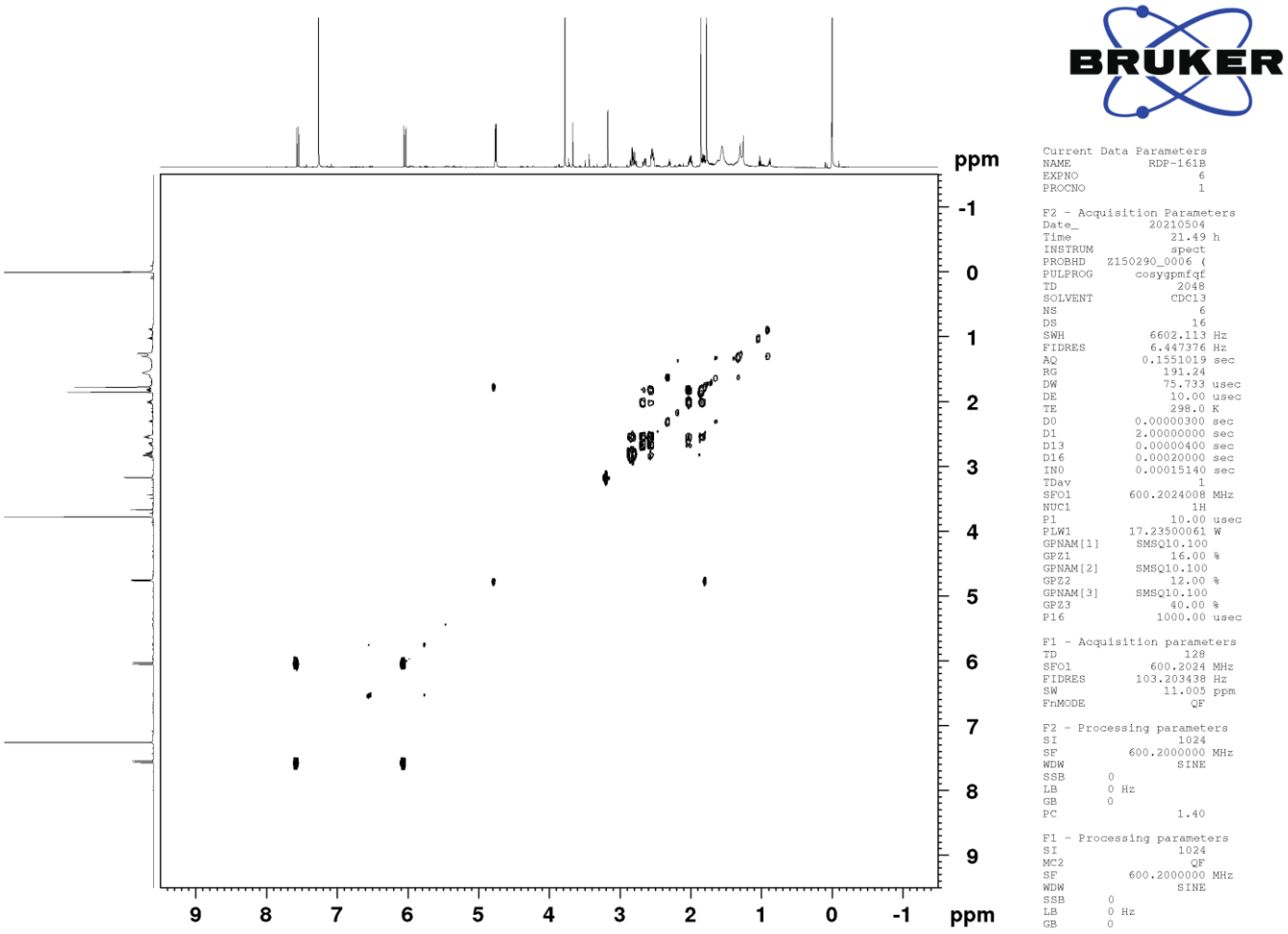


Figure S23 HMBC spectrum (600 MHz, $CDCl_3$) of compound **1**



Current Data Parameters
NAME RDP-161B
EXPNO 6
PROCNO 1

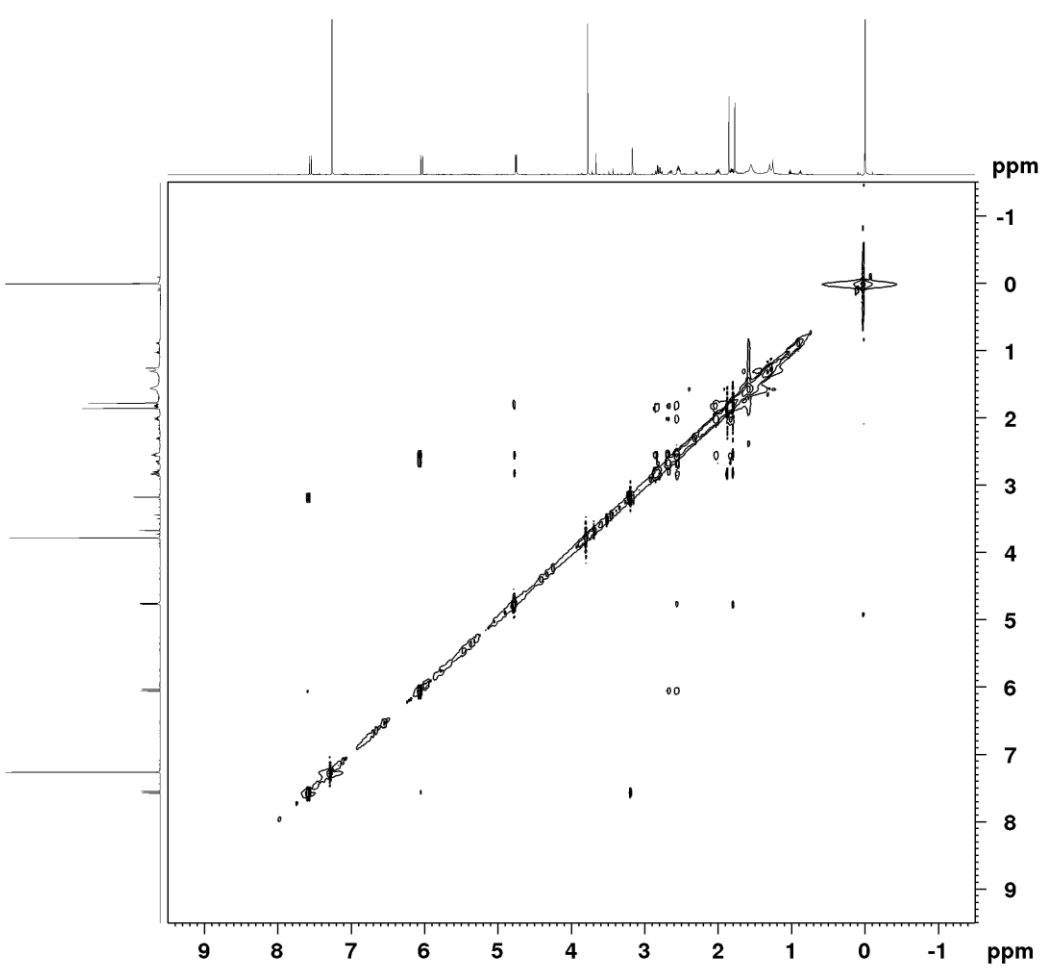
F2 - Acquisition Parameters
Date_ 20210504
Time 21.49 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 6
DS 16
SWH 6602.113 Hz
FIDRES 6.447376 Hz
AQ 0.1551019 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00015140 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
PLW1 17.23500061 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 103.203438 Hz
SW 11.005 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S24 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **1**




```
Current Data Parameters
NAME                  RDP-161B
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_               20210504
Time                   22.18 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG          noesygpphpp
TD                       2048
SOLVENT                  CDCl3
NS                          6
DS                         16
SWH                  6602.113 Hz
FIDRES               6.447376 Hz
AQ                   0.1551019 sec
RG                       107.6
DW                      75.733 usec
DE                      10.00 usec
TE                      298.0 K
D0                   0.00006297 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00015140 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
P17                   2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]             SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                 600.2024 MHz
FIDRES                51.601719 Hz
SW                       11.005 ppm
FnMODE             States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        QSINE
SSB                            2
LB                0 Hz
GB                0
PC                         1.00

F1 - Processing parameters
SI                          1024
MC2                States-TPPI
SF                  600.2000000 MHz
WDW                        QSINE
SSB                            2
LB                0 Hz
GB                0
```

Figure S25 NOESY spectrum (600 MHz, $CDCl_3$) of compound **1**

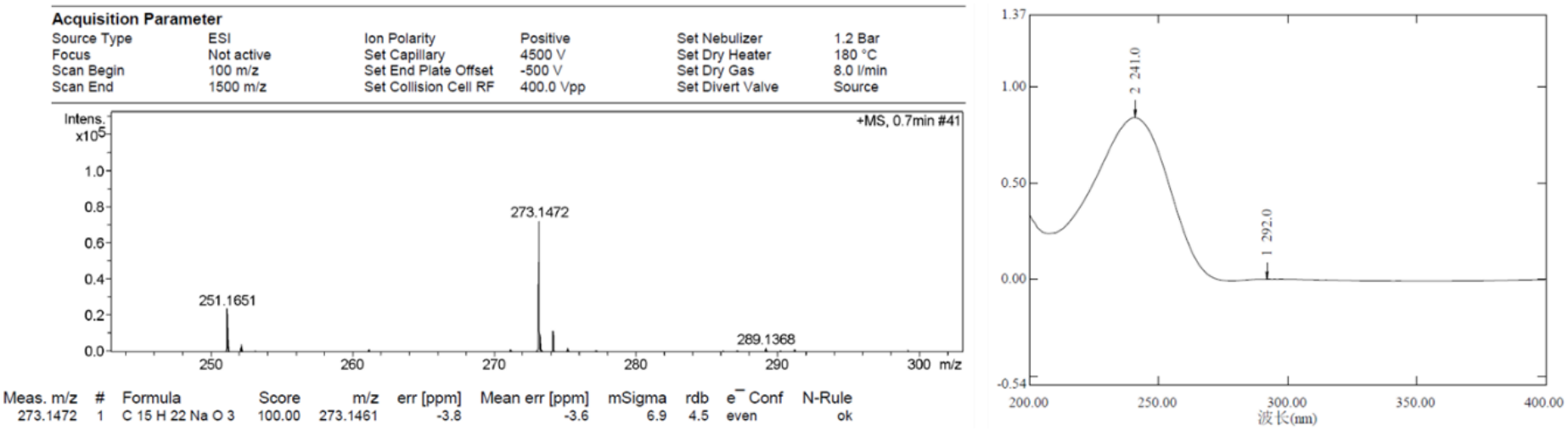


Figure S26 HRESIMS and UV spectra of compound **5**

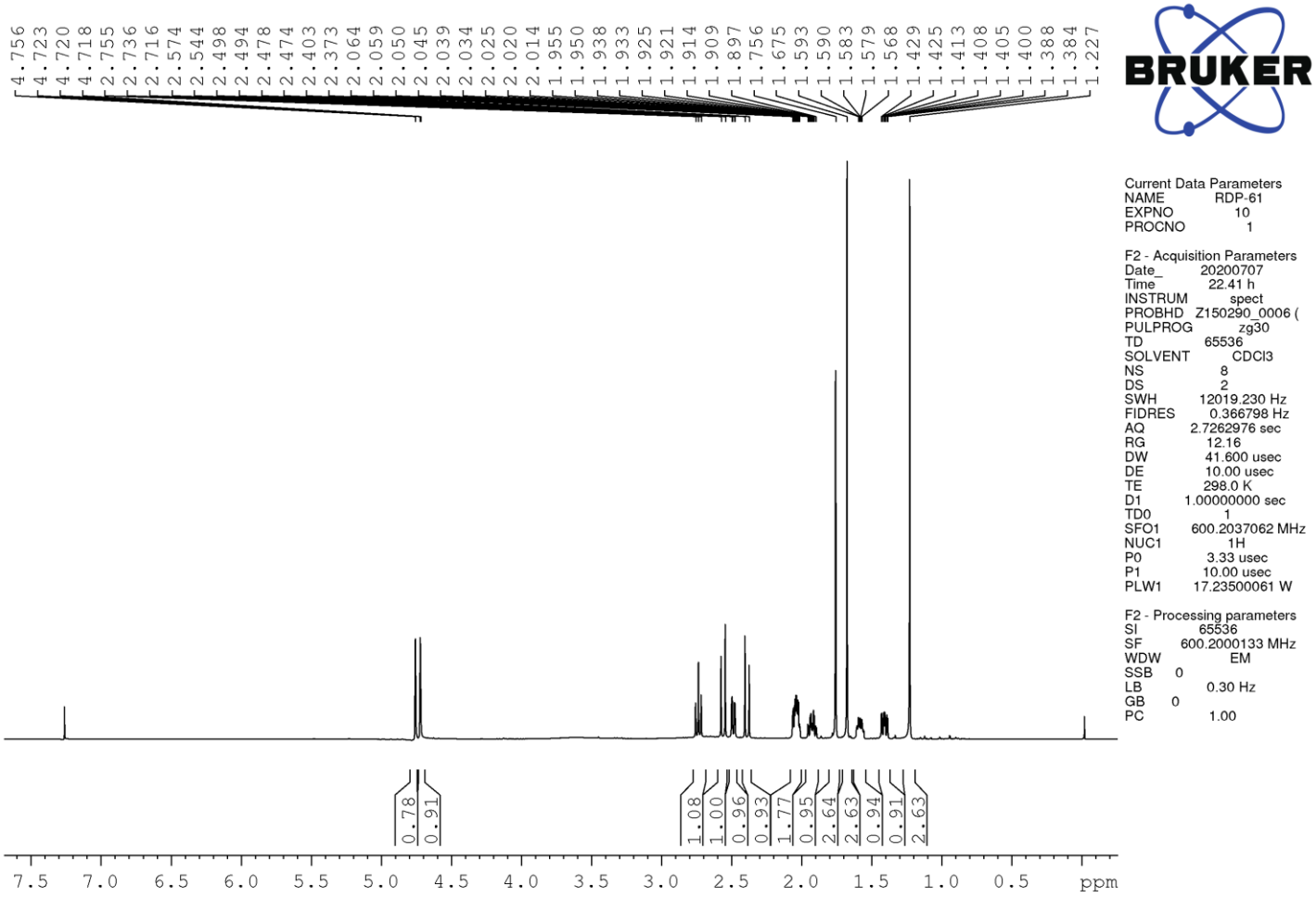


Figure S27 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **5**

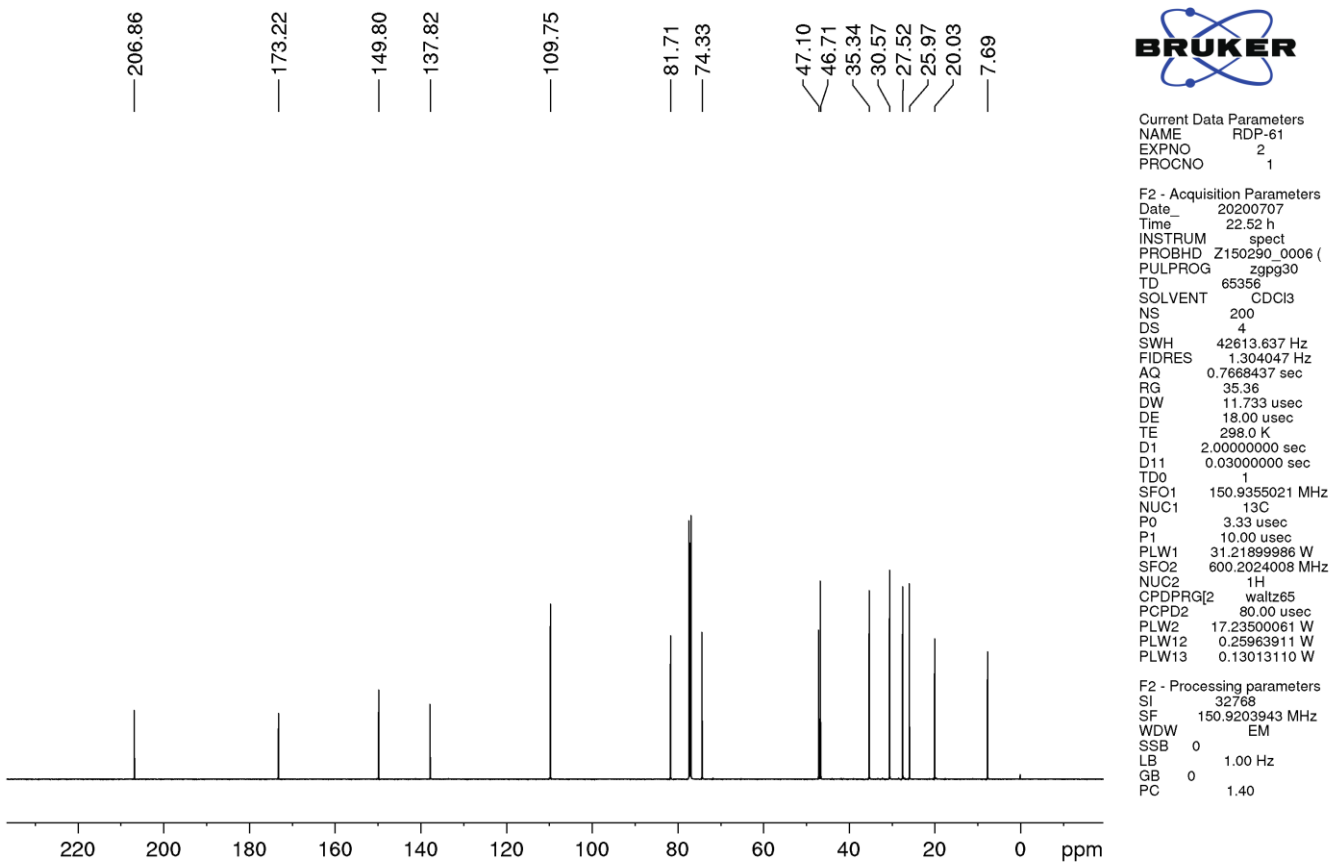
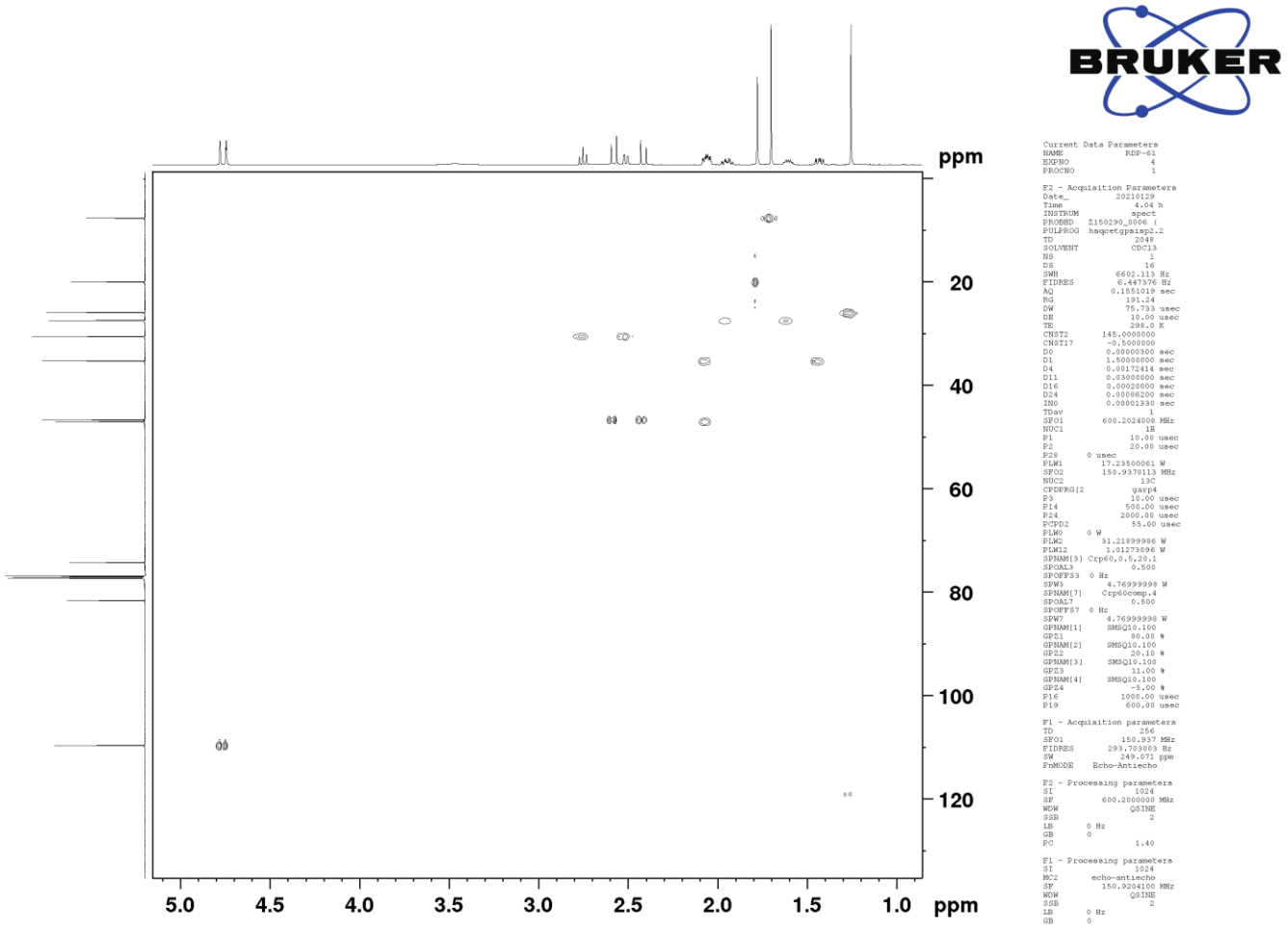
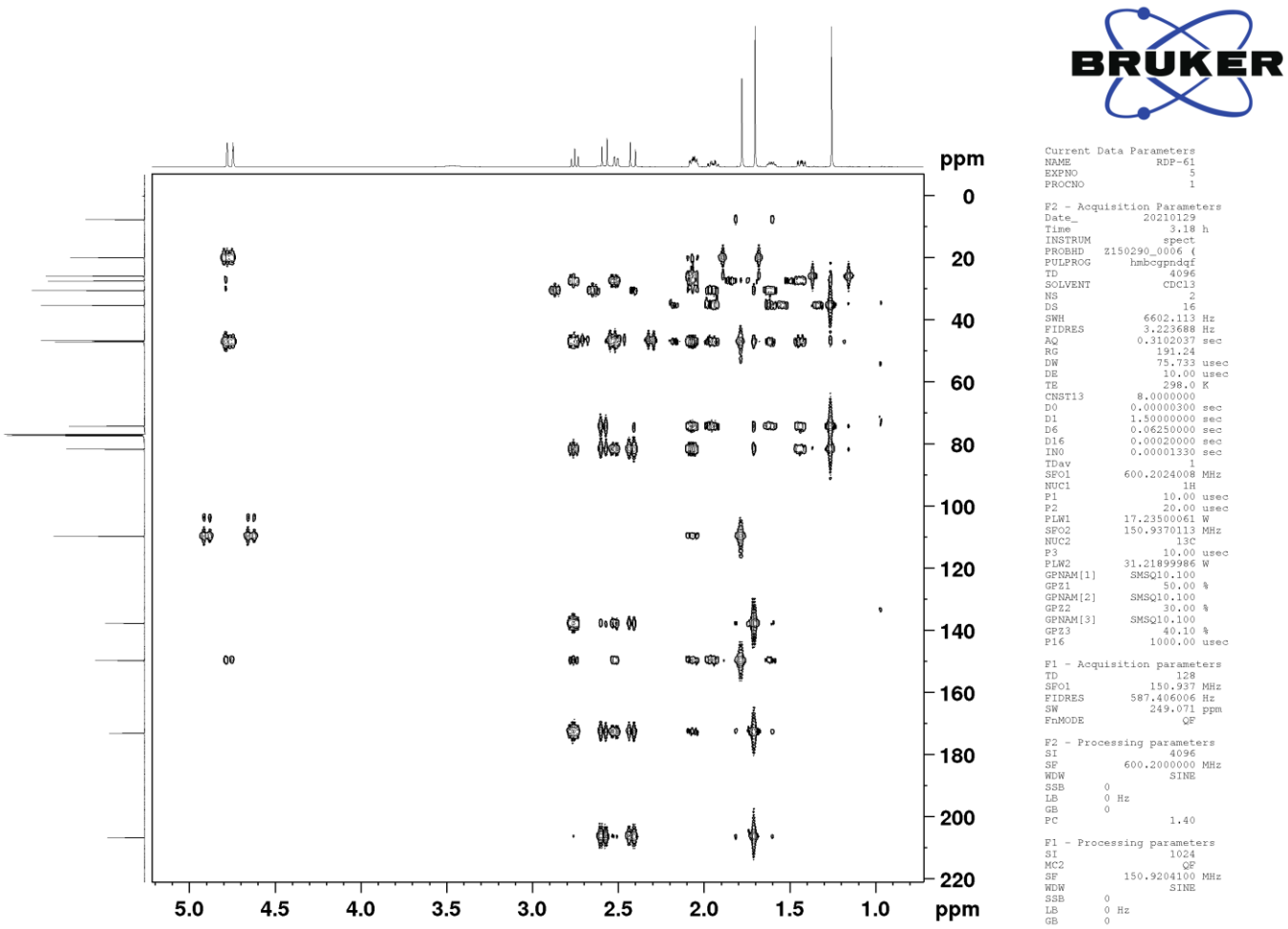


Figure S28 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **5**




```
Current Data Parameters
NAME                  RDP-61
EXPNO                      4
PROCNO                     1

F2 - Acquisition Parameters
Date_              20210129
Time                   4.04 h
INSTRUM                spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                      2048
SOLVENT               CDCl3
NS                         1
DS                        16
SWH                6602.113 Hz
FIDRES             6.447376 Hz
AQ                 0.1551019 sec
RG                    191.24
DW                   75.733 usec
DE                   10.00 usec
TE                   298.0 K
CNST2             145.0000000
CNST17             -0.5000000
D0                 0.00000300 sec
D1                 1.50000000 sec
D4                 0.00172414 sec
D11                0.03000000 sec
D16                0.00020000 sec
D24                0.00086200 sec
IN0                0.00001330 sec
TDav                       1
SFO1           600.2024009 MHz
NUC1                      1H
P1                    10.00 usec
P2                    20.00 usec
P28          0 usec
PLW1           17.23500061 W
SFO2           150.9370113 MHz
NUC2                      13C
CPDPRG[2                garp4
P3                    10.00 usec
P14                  500.00 usec
P24                 2000.00 usec
PCPD2                 55.00 usec
PLW0         0 W
PLW2           31.21899986 W
PLW12           1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3  0 Hz
SPW3           4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                0.500
SPOFFS7  0 Hz
SPW7           4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16                1000.00 usec
P19                 600.00 usec

F1 - Acquisition parameters
TD                       256
SFO1              150.937 MHz
FIDRES         293.703003 Hz
SW                 249.071 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                      1024
SF             600.2000000 MHz
WDW                    QSINE
SSB                        2
LB           0 Hz
GB           0
PC                      1.40

F1 - Processing parameters
SI                      1024
MC2          echo-antiecho
SF             150.9204100 MHz
WDW                    QSINE
SSB                        2
LB           0 Hz
GB           0
```

Figure S29 HSQC spectrum (600 MHz, $CDCl_3$) of compound **5**



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```
Current Data Parameters
NAME                  RDP-61
EXPNO                      5
PROCNO                     1

F2 - Acquisition Parameters
Date_              20210129
Time                   3.18 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                      4096
SOLVENT                 CDCl3
NS                         2
DS                        16
SWH                6602.113 Hz
FIDRES             3.223688 Hz
AQ                 0.3102037 sec
RG                    191.24
DW                   75.733 usec
DE                   10.00 usec
TE                   298.0 K
CNST13            8.0000000
D0                0.00000300 sec
D1                1.50000000 sec
D6                0.06250000 sec
D16               0.00020000 sec
IN0               0.00001330 sec
TDav                       1
SFO1             600.2024008 MHz
NUC1                      1H
P1                   10.00 usec
P2                   20.00 usec
PLW1             17.23500061 W
SFO2             150.9370113 MHz
NUC2                      13C
P3                   10.00 usec
PLW2             31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                 50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                 30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                 40.10 %
P16                1000.00 usec

F1 - Acquisition parameters
TD                       128
SFO1             150.937 MHz
FIDRES           587.406006 Hz
SW                   249.071 ppm
FnMODE                    QF

F2 - Processing parameters
SI                       4096
SF               600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2                       QF
SF               150.9204100 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S30 HMBC spectrum (600 MHz, $CDCl_3$) of compound **5**

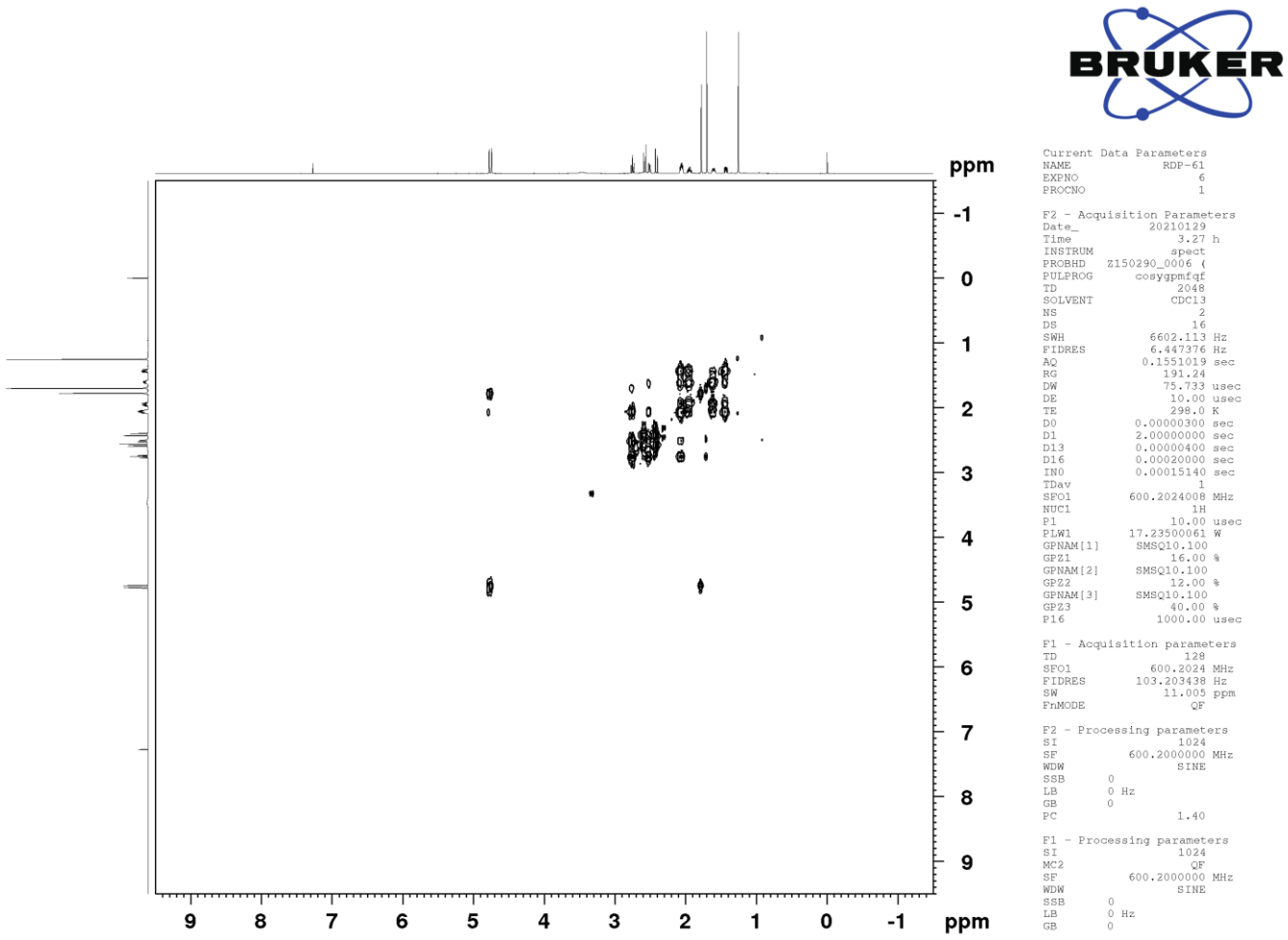
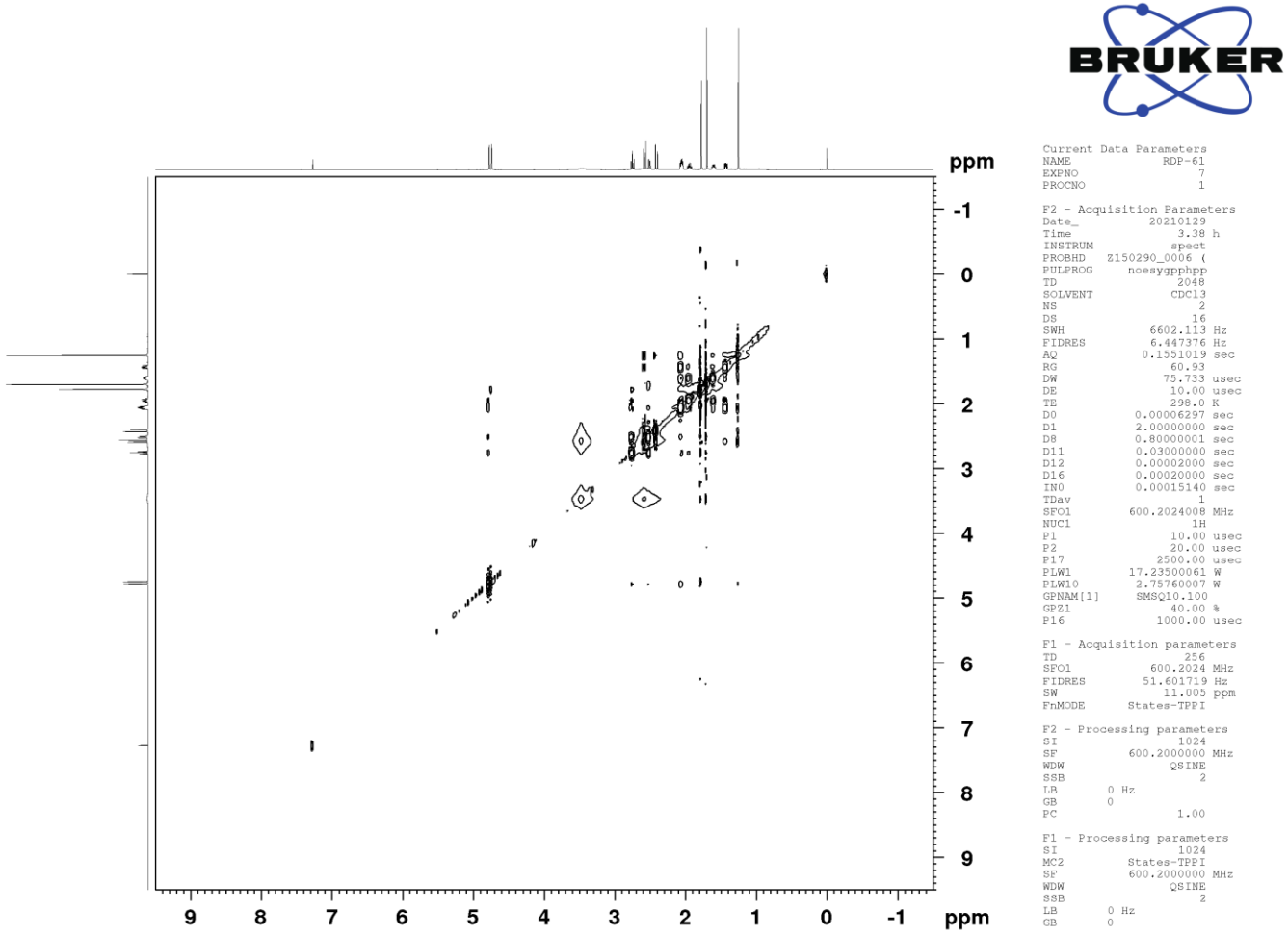


Figure S31 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **5**




```
Current Data Parameters
NAME                  RDP-61
EXPNO                      7
PROCNO                     1

F2 - Acquisition Parameters
Date_              20210129
Time                   3.38 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG       noesygpphpp
TD                      2048
SOLVENT                CDCl3
NS                         2
DS                        16
SWH                 6602.113 Hz
FIDRES              6.447376 Hz
AQ                  0.1551019 sec
RG                      60.93
DW                     75.733 usec
DE                     10.00 usec
TE                     298.0 K
D0                  0.00006297 sec
D1                  2.00000000 sec
D8                  0.80000001 sec
D11                 0.03000000 sec
D12                 0.00002000 sec
D16                 0.00020000 sec
IN0                 0.00015140 sec
TDav                       1
SFO1               600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
P2                     20.00 usec
P17                  2500.00 usec
PLW1               17.23500061 W
PLW10               2.75760007 W
GPNAM[1]            SMSQ10.100
GPZ1                    40.00 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                       256
SFO1                600.2024 MHz
FIDRES               51.601719 Hz
SW                      11.005 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                      1024
SF                600.2000000 MHz
WDW                     QSINE
SSB                        2
LB          0 Hz
GB          0
PC                      1.00

F1 - Processing parameters
SI                      1024
MC2                 States-TPPI
SF                600.2000000 MHz
WDW                     QSINE
SSB                        2
LB          0 Hz
GB          0
```

Figure S32 NOESY spectrum (600 MHz, $CDCl_3$) of compound **5**

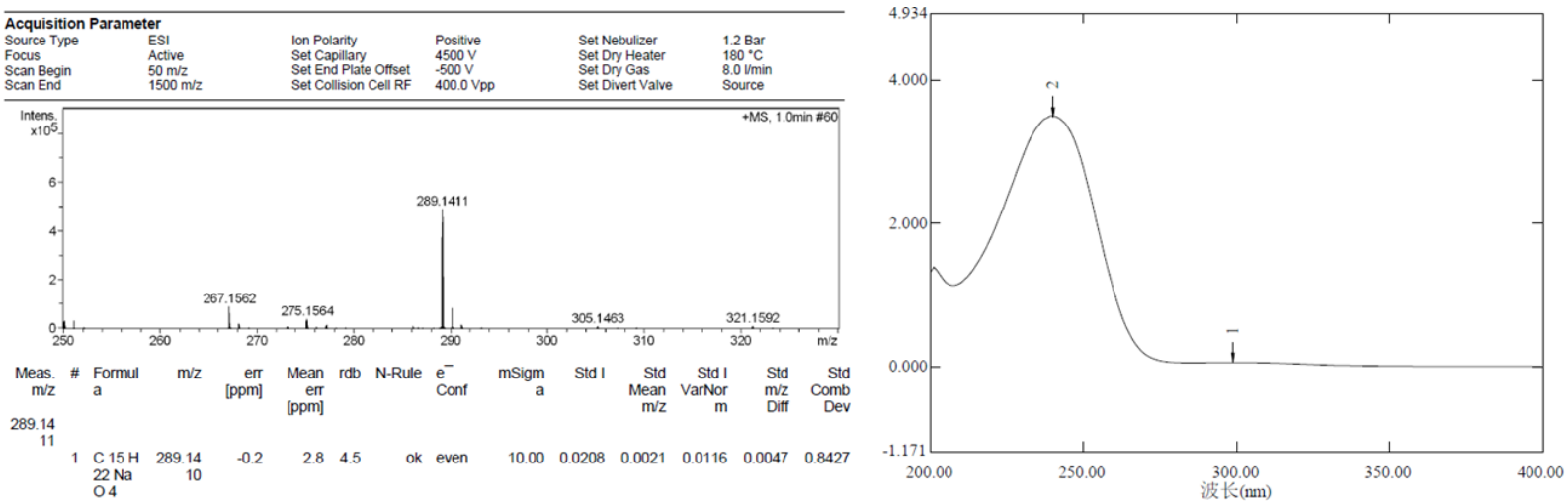


Figure S33 HRESIMS and UV spectra of compound **6**

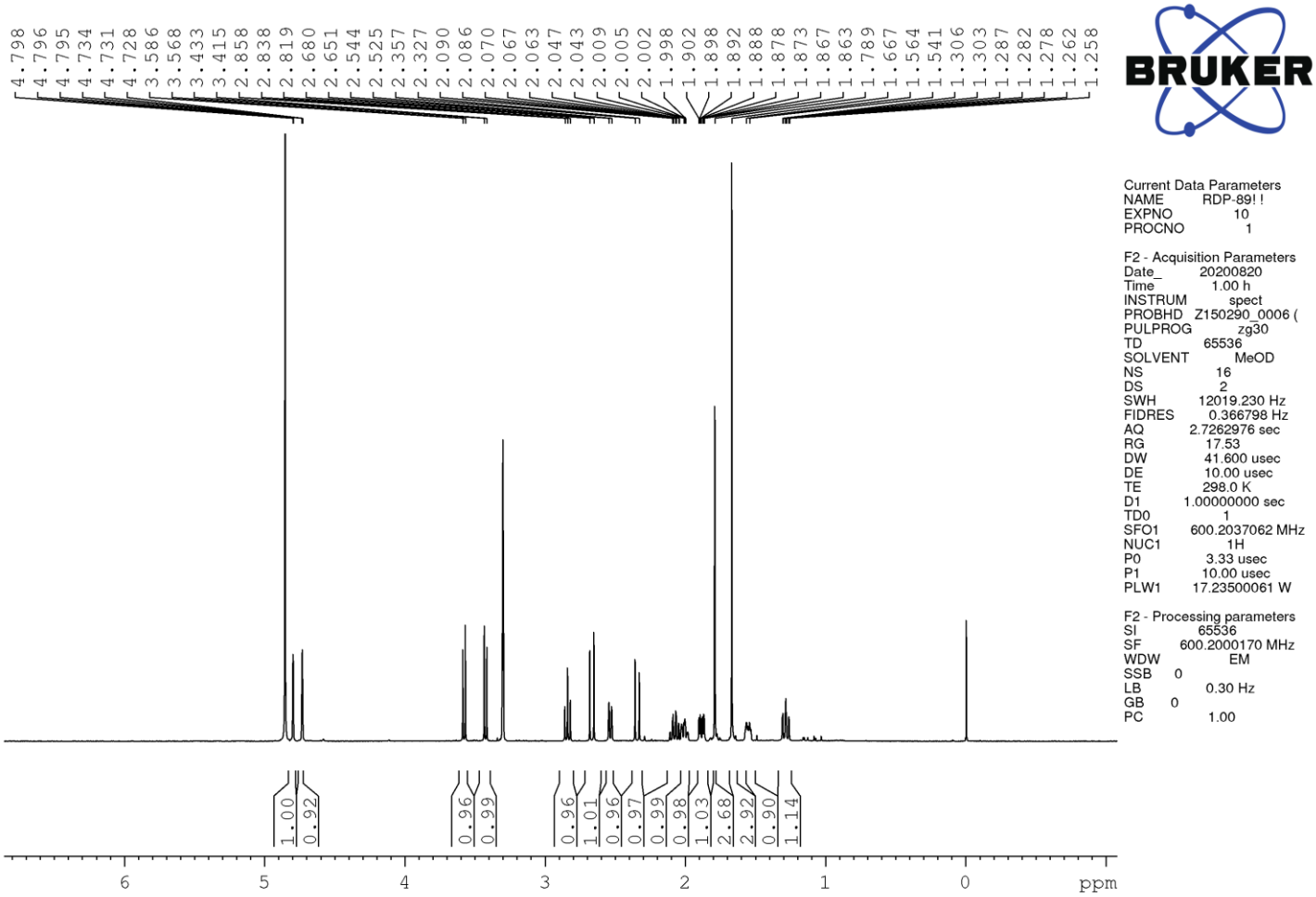


Figure S34 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **6**

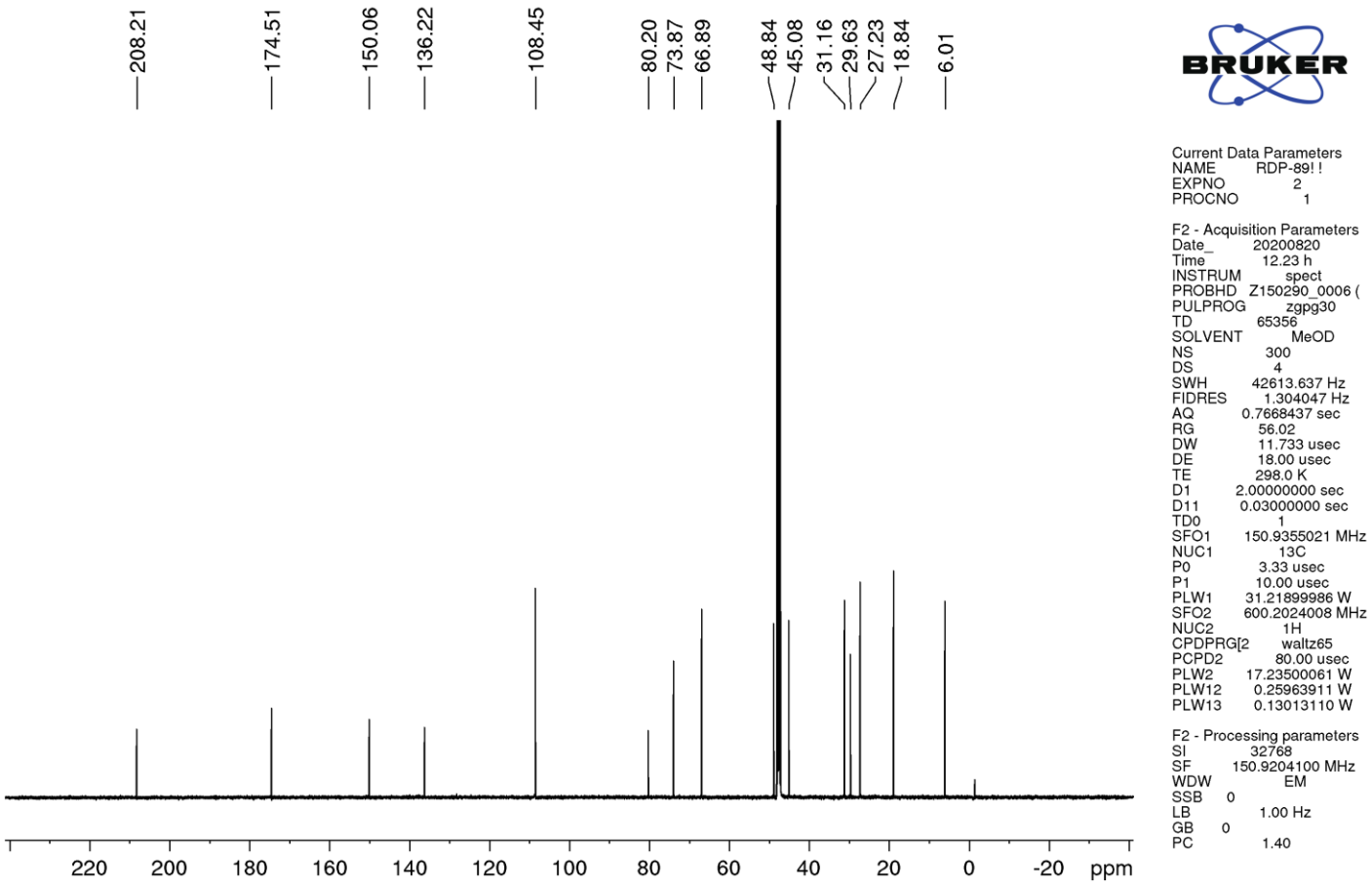
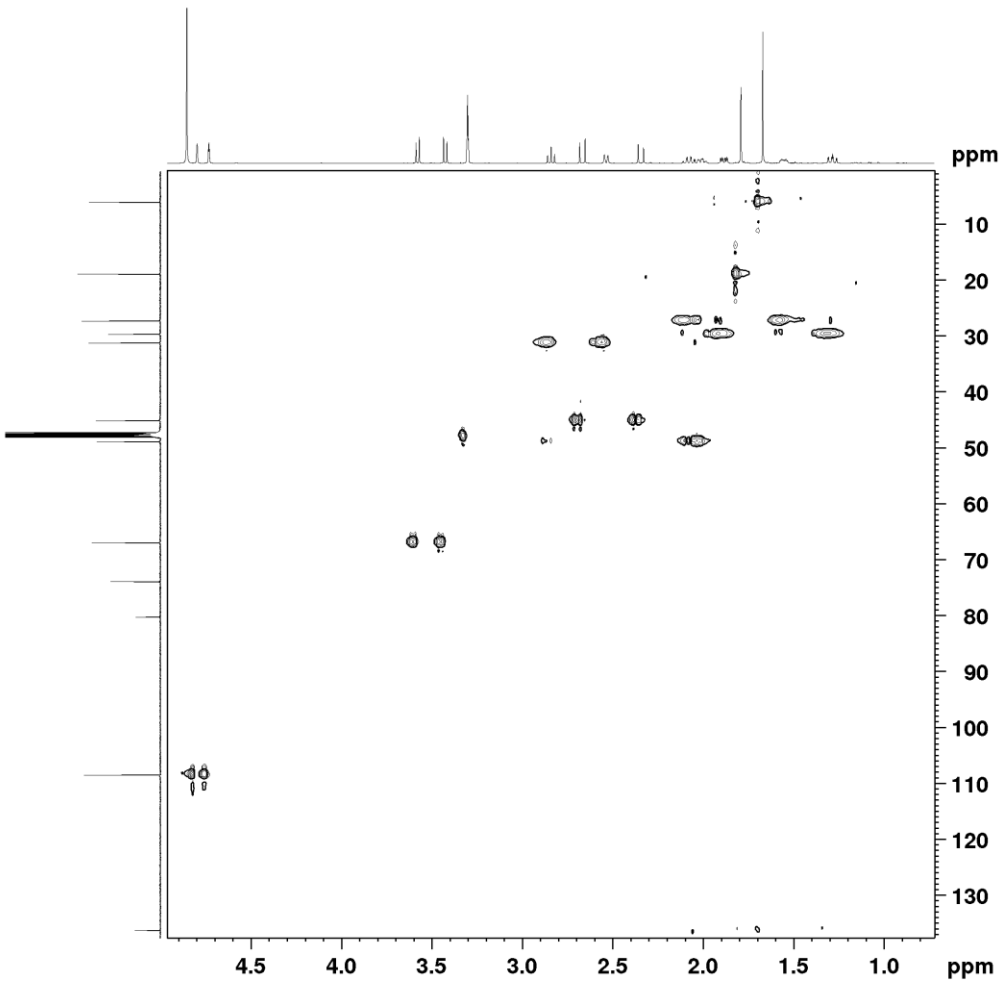
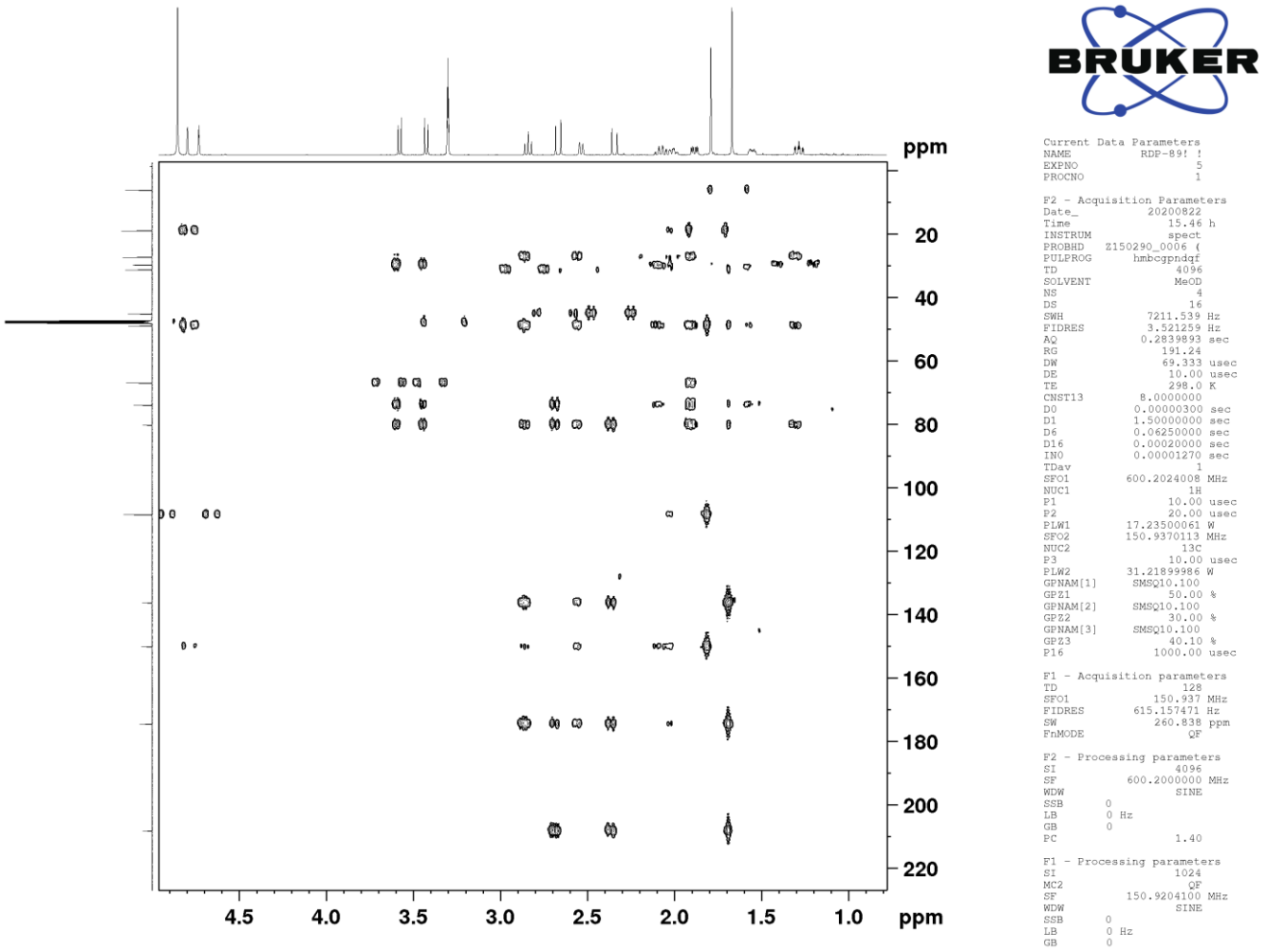


Figure S35 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **6**



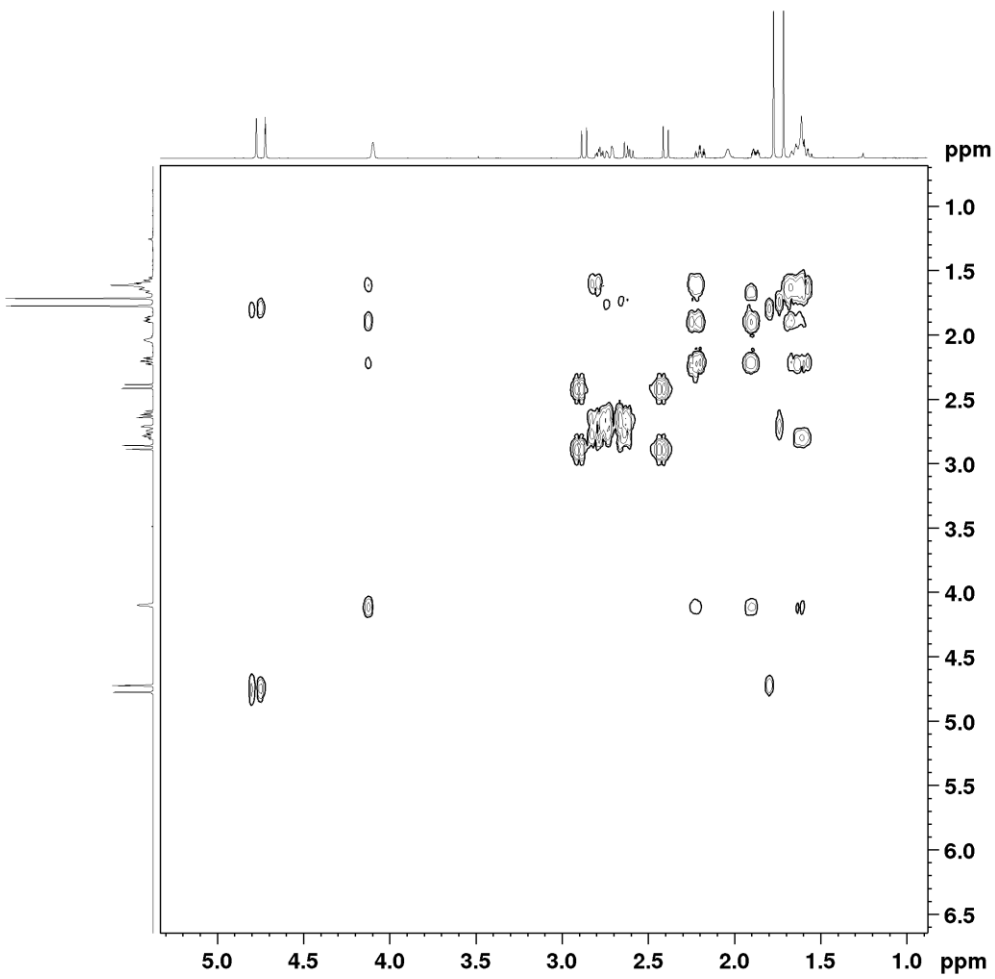

```
Current Data Parameters
NAME            RDP-891 f
EXPNO                   4
PROCNO                  1

F2 - Acquisition Parameters
Date_           20200822
Time              15.31 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                   2048
SOLVENT              MeOD
NS                      2
DS                     16
SWH            7211.539 Hz
FIDRES            7.042518 Hz
AQ              0.1419947 sec
RG                 191.24
DW                69.333 usec
DE                10.00 usec
TE                 298.0 K
CNST2         145.00000000
CNST17         -0.50000000
D0              0.00000300 sec
D1              1.50000000 sec
D4              0.00172414 sec
D11             0.03000000 sec
D16             0.00020000 sec
D24             0.00086200 sec
IN0             0.00001270 sec
TDav                    1
SFO1          600.2024008 MHz
NUC1                   1H
P1                  10.00 usec
P2                  20.00 usec
P28       0 usec
PLW1        17.23500061 W
SFO2        150.9370113 MHz
NUC2                   13C
CPDPRG[2             garp4
P3                  10.00 usec
P14                500.00 usec
P24               2000.00 usec
PCPD2               55.00 usec
PLW0       0 W
PLW2        31.21899986 W
PLW12        1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3   0 Hz
SPW3         4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                0.500
SPOFFS7   0 Hz
SPW7         4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16               1000.00 usec
P19                600.00 usec

F1 - Acquisition parameters
TD                     256
SFO1            150.937 MHz
FIDRES         307.578735 Hz
SW                 260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                    1024
SF           600.2000000 MHz
WDW                  QSINE
SSB                      2
LB         0 Hz
GB         0
PC                    1.40

F1 - Processing parameters
SI                    1024
MC2         echo-antiecho
SF           150.9204100 MHz
WDW                  QSINE
SSB                      2
LB         0 Hz
GB         0
```

Figure S36 HSQC spectrum (600 MHz, $CDCl_3$) of compound **6**



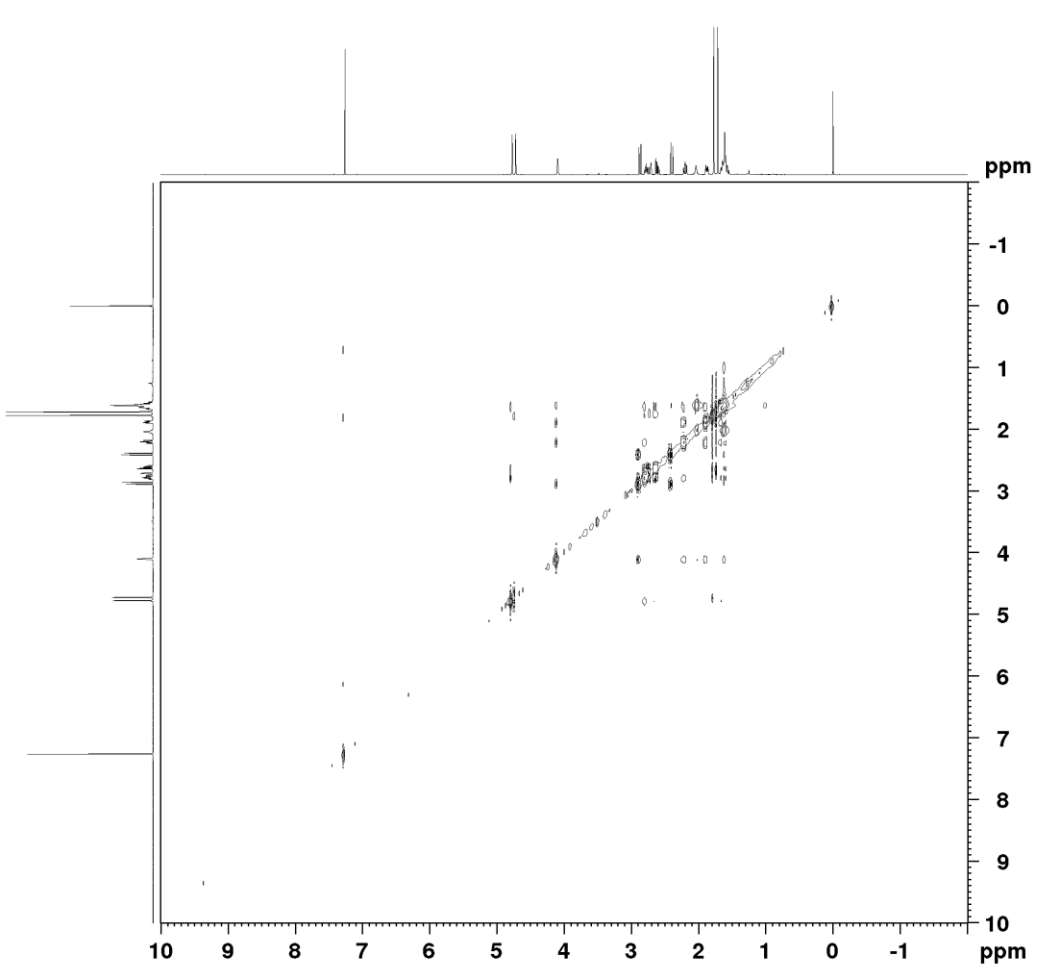

```
Current Data Parameters
NAME                 RDP-89! !
EXPNO                       5
PROCNO                      1

F2 - Acquisition Parameters
Date_               20200822
Time                   15.46 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                      4096
SOLVENT                 MeOD
NS                         4
DS                        16
SWH                 7211.539 Hz
FIDRES              3.521259 Hz
AQ                  0.2839893 sec
RG                     191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
CNST13              8.0000000
D0                  0.00000300 sec
D1                  1.50000000 sec
D6                  0.06250000 sec
D16                 0.00020000 sec
IN0                 0.00001270 sec
TDav                        1
SFO1              600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
P2                     20.00 usec
PLW1             17.23500061 W
SFO2             150.9370113 MHz
NUC2                      13C
P3                     10.00 usec
PLW2             31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                   50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                   30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                   40.10 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                        128
SFO1              150.937 MHz
FIDRES           615.157471 Hz
SW                   260.838 ppm
FnMODE                    QF

F2 - Processing parameters
SI                      4096
SF                600.2000000 MHz
WDW                     SINE
SSB          0
LB           0 Hz
GB           0
PC                      1.40

F1 - Processing parameters
SI                      1024
MC2                       QF
SF                150.9204100 MHz
WDW                     SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S37 HMBC spectrum (600 MHz, $CDCl_3$) of compound **6**



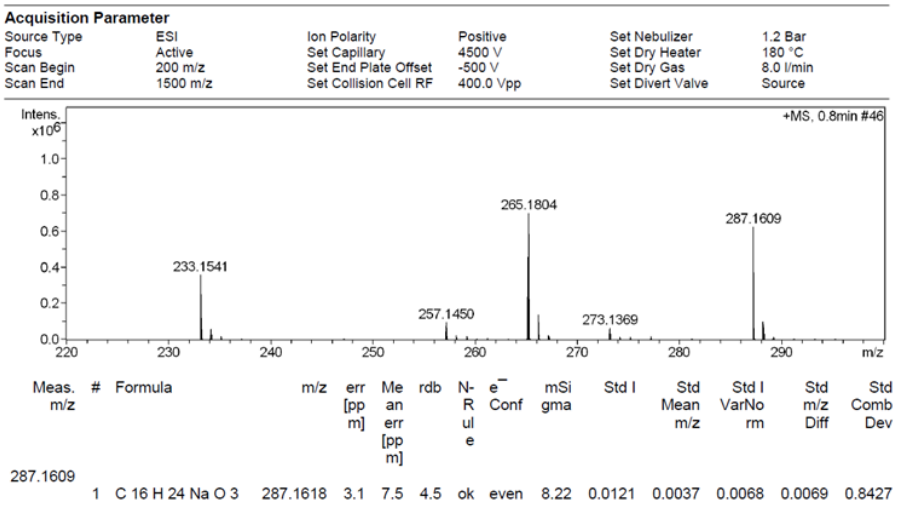

```
Current Data Parameters
NAME                  RDP-88B
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200830
Time                    21.50 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                  CDCl3
NS                          2
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                      191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
D0                   0.00000300 sec
D1                   2.00000000 sec
D13                  0.00000400 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                       10.00 usec
PLW1               17.23500061 W
GPNAM[1]            SMSQ10.100
GPZ1                     16.00 %
GPNAM[2]            SMSQ10.100
GPZ2                     12.00 %
GPNAM[3]            SMSQ10.100
GPZ3                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                      12.004 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                      SINE
SSB             0
LB              0 Hz
GB              0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                        QF
SF                600.2000000 MHz
WDW                      SINE
SSB             0
LB              0 Hz
GB              0
```

Figure S38 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **6**




```
Current Data Parameters
NAME                  RDP-88B
EXPNO                       7
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200830
Time                  22.00 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                       2048
SOLVENT                CDCl3
NS                          2
DS                         16
SWH                 7211.539 Hz
FIDRES              7.042518 Hz
AQ                  0.1419947 sec
RG                      60.93
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
D0                  0.00005667 sec
D1                  2.00000000 sec
D8                  0.80000001 sec
D11                 0.03000000 sec
D12                 0.00002000 sec
D16                 0.00020000 sec
IN0                 0.00013880 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
P2                      20.00 usec
P17                   2500.00 usec
PLW1               17.23500061 W
PLW10               2.75760007 W
GPNAM[1]           SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                          256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                      12.004 ppm
FnMODE            States-TPPI

F2 - Processing parameters
SI                         1024
SF                600.2000000 MHz
WDW                       QSINE
SSB                         2
LB             0 Hz
GB             0
PC                        1.00

F1 - Processing parameters
SI                         1024
MC2               States-TPPI
SF                600.2000000 MHz
WDW                       QSINE
SSB                         2
LB             0 Hz
GB             0
```

Figure S39 NOESY spectrum (600 MHz, $CDCl_3$) of compound **6**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
287.1609	1	C 16 H 24 Na O 3	287.1618	3.1	7.5	4.5	ok	even	8.22	0.0121	0.0037	0.0068	0.0069	0.8427

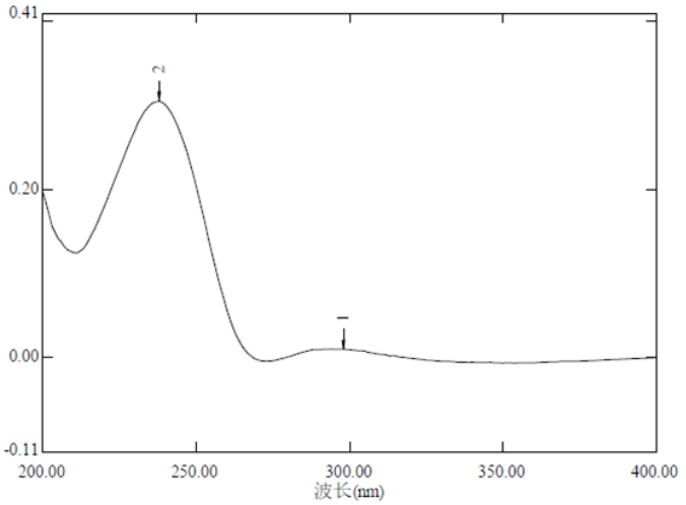


Figure S40 HRESIMS and UV spectra of compound **7**

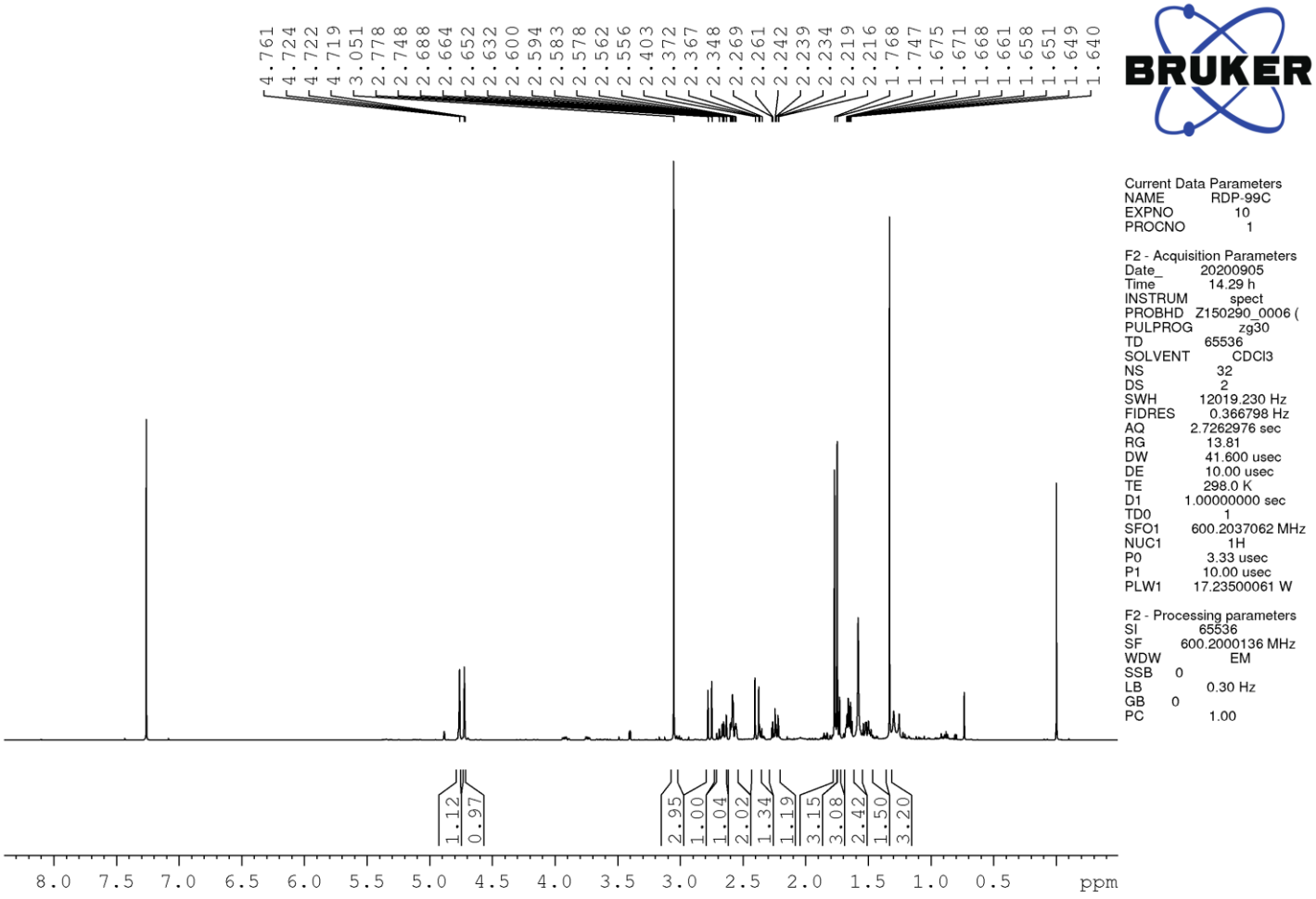


Figure S41 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **7**

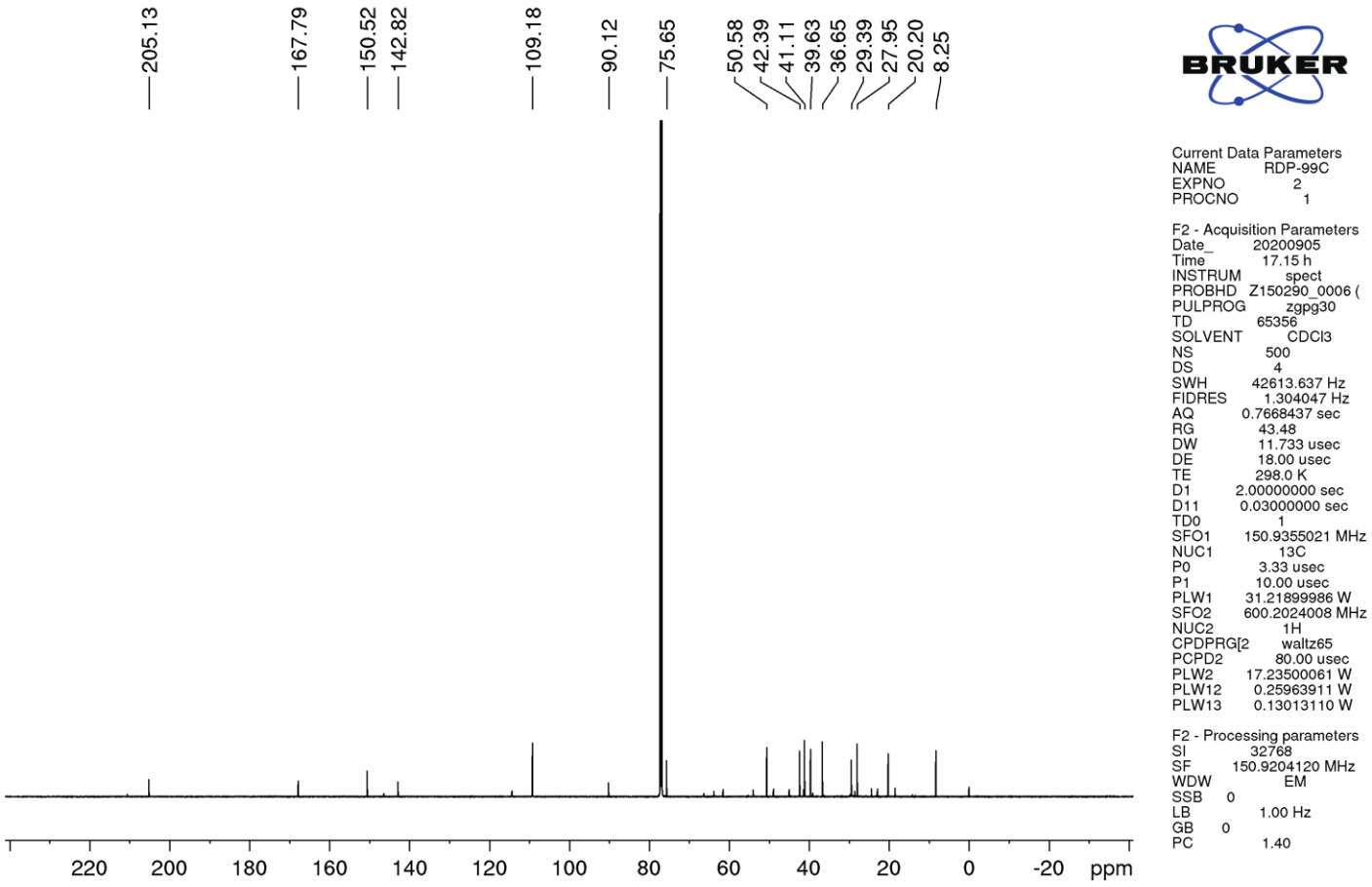
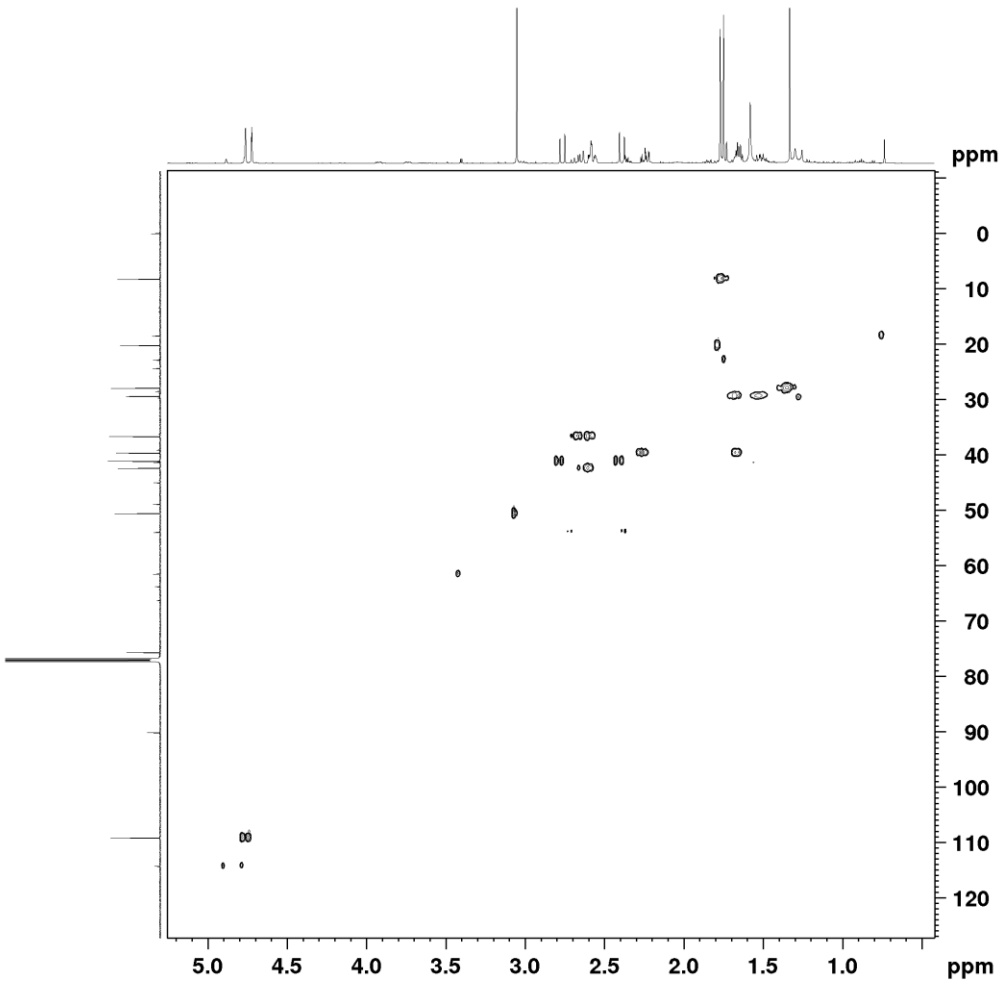
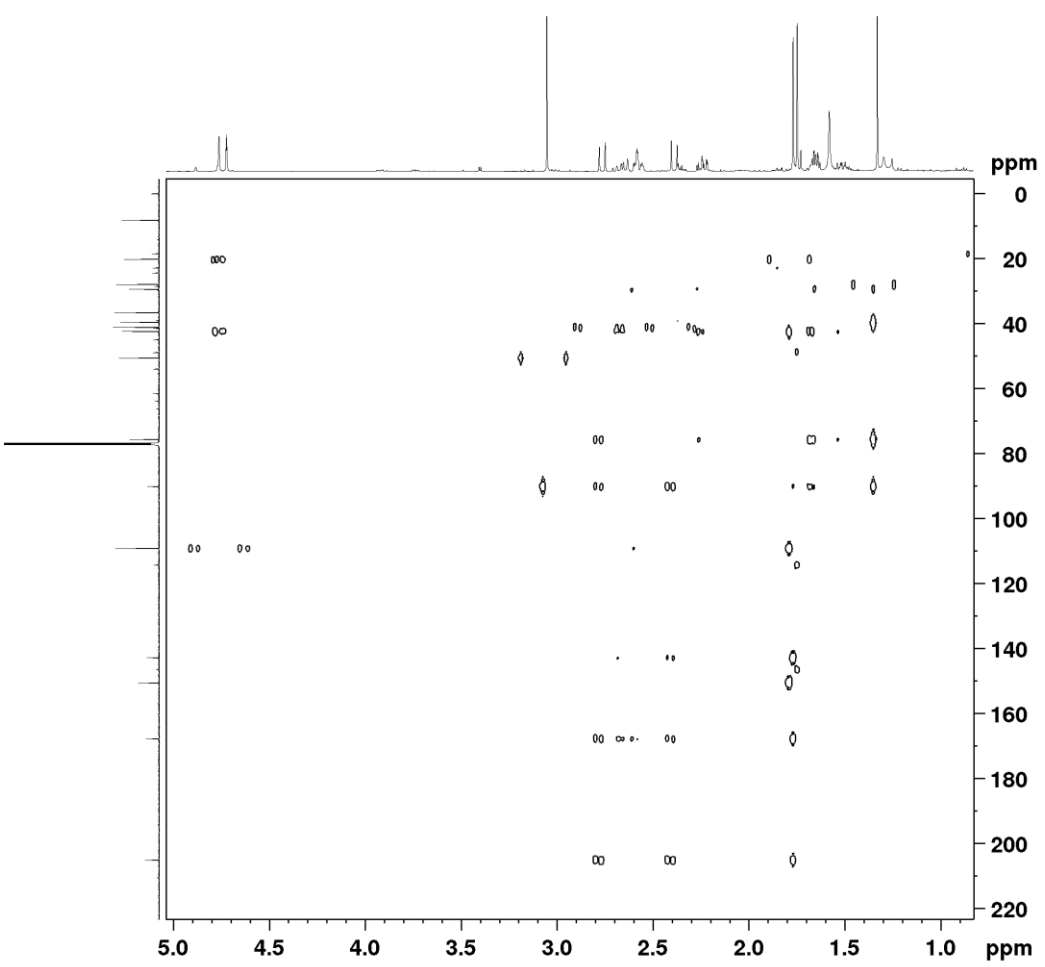


Figure S42 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **7**



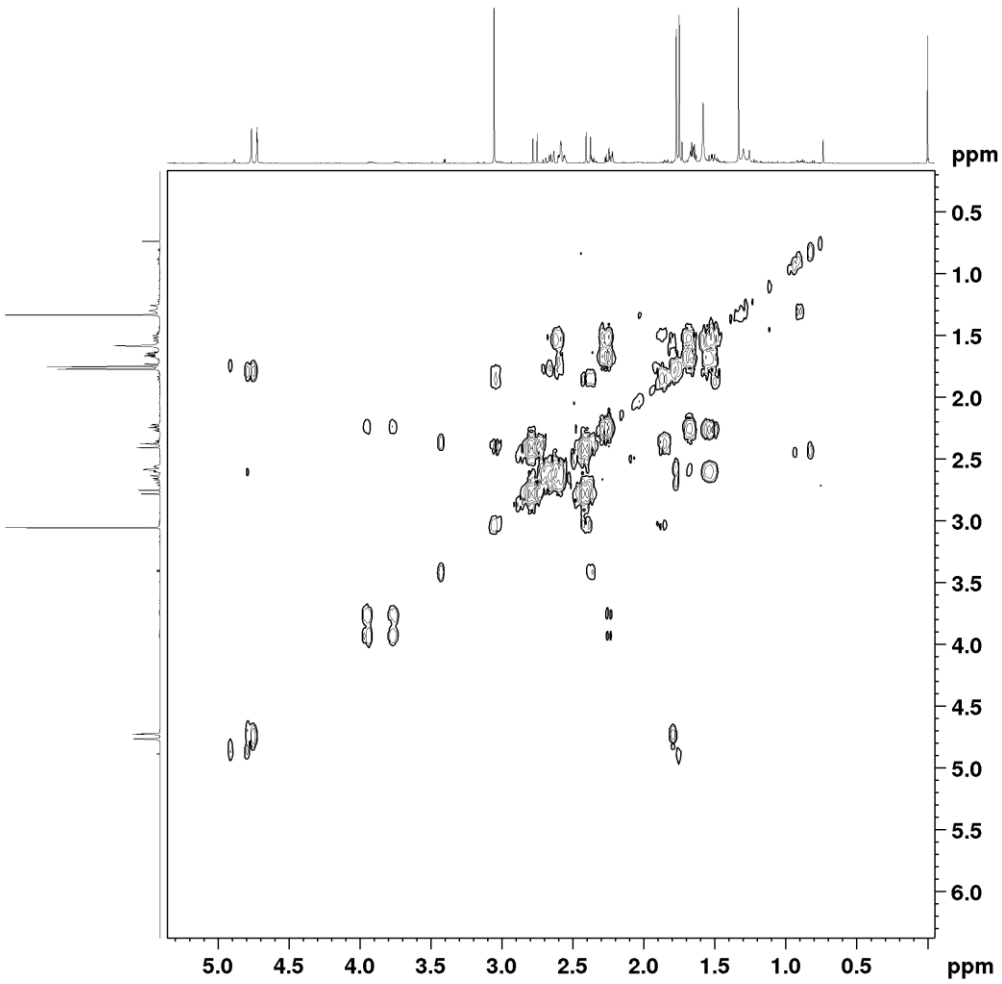

```
Current Data Parameters
NAME                 RDP-99C
EXPNO                      4
PROCNO                     1

F2 - Acquisition Parameters
Date_              20200906
Time                 14.53 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG   hsqcetgpsisp2.2
TD                      2048
SOLVENT                 CDCl3
NS                         2
DS                        16
SWH                7211.539 Hz
FIDRES             7.042518 Hz
AQ                 0.1419947 sec
RG                    191.24
DW                   69.333 usec
DE                   10.00 usec
TE                    298.0 K
CNST2            145.00000000
CNST17            -0.50000000
D0                 0.00000300 sec
D1                 1.50000000 sec
D4                 0.00172414 sec
D11                0.03000000 sec
D16                0.00020000 sec
D24                0.00086200 sec
IN0                0.00001270 sec
TDav                       1
SFO1             600.2024008 MHz
NUC1                      1H
P1                     10.00 usec
P2                     20.00 usec
P28          0 usec
PLW1           17.23500061 W
SFO2           150.9370113 MHz
NUC2                      13C
CPDPRG[2                garp4
P3                     10.00 usec
P14                   500.00 usec
P24                  2000.00 usec
PCPD2                  55.00 usec
PLW0         0 W
PLW2           31.21899986 W
PLW12           1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                  0.500
SPOFFS3   0 Hz
SPW3            4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                  0.500
SPOFFS7   0 Hz
SPW7            4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                   80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                   20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                   11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                   -5.00 %
P16                  1000.00 usec
P19                   600.00 usec

F1 - Acquisition parameters
TD                       256
SFO1               150.937 MHz
FIDRES          307.578735 Hz
SW                  260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                      1024
SF              600.2000000 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
PC                      1.40

F1 - Processing parameters
SI                      1024
MC2          echo-antiecho
SF               150.9204100 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
```

Figure S43 HSQC spectrum (600 MHz, $CDCl_3$) of compound **7**



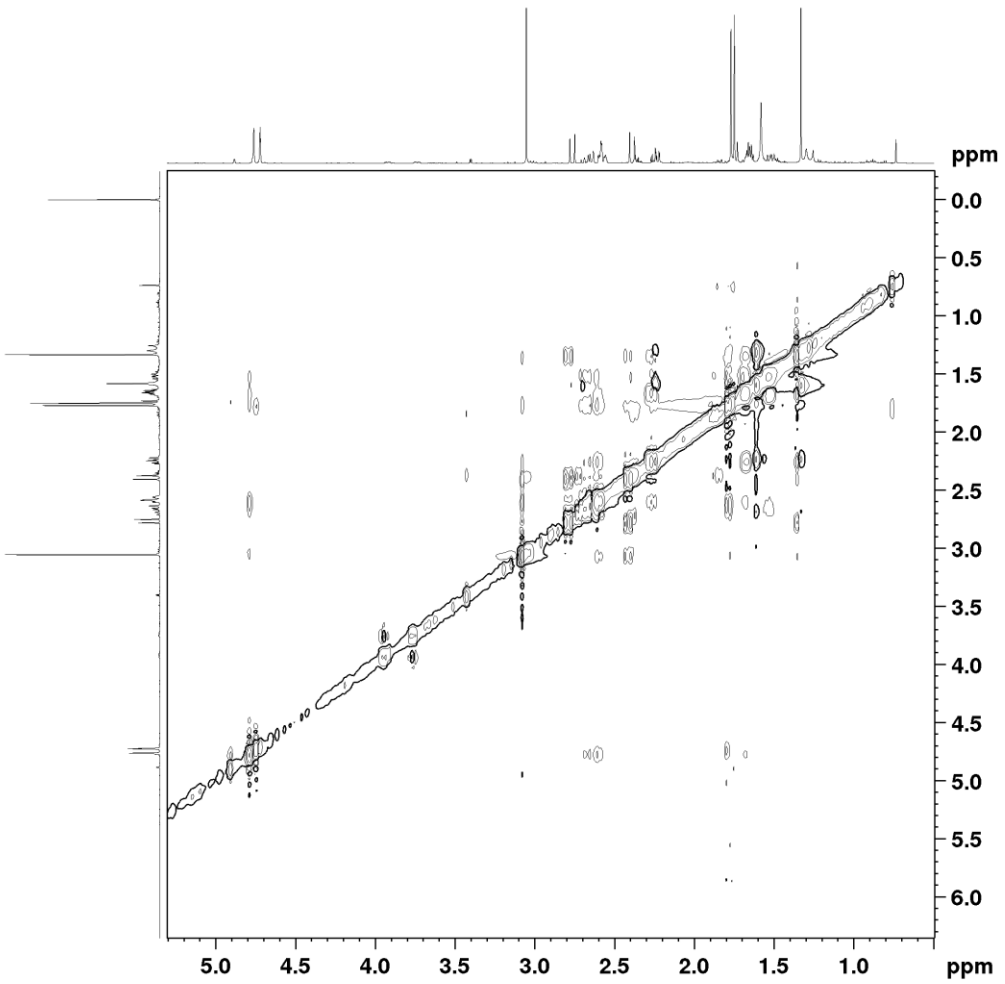

```
Current Data Parameters
NAME                  RDP-99C
EXPNO                       5
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200906
Time                   15.08 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                       4096
SOLVENT                CDCl3
NS                          4
DS                         16
SWH                 7211.539 Hz
FIDRES              3.521259 Hz
AQ                  0.2839893 sec
RG                     191.24
DW                    69.333 usec
DE                    10.00 usec
TE                    298.0 K
CNST13              8.0000000
D0                  0.00000300 sec
D1                  1.50000000 sec
D6                  0.06250000 sec
D16                 0.00020000 sec
IN0                 0.00001270 sec
TDav                        1
SFO1              600.2024008 MHz
NUC1                       1H
P1                    10.00 usec
P2                    20.00 usec
PLW1             17.23500061 W
SFO2             150.9370113 MHz
NUC2                       13C
P3                    10.00 usec
PLW2             31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                  50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                  30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                  40.10 %
P16                 1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1              150.937 MHz
FIDRES           615.157471 Hz
SW                   260.838 ppm
FnMODE                    QF

F2 - Processing parameters
SI                       4096
SF                600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                       1024
MC2                       QF
SF                150.9204100 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S44 HMBC spectrum (600 MHz, $CDCl_3$) of compound **7**




```
Current Data Parameters
NAME                  RDP-99C
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200906
Time                    15.25 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                  CDCl3
NS                          2
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                     191.24
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
D0                   0.00000300 sec
D1                   2.00000000 sec
D13                  0.00000400 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
PLW1               17.23500061 W
GPNAM[1]            SMSQ10.100
GPZ1                    16.00 %
GPNAM[2]            SMSQ10.100
GPZ2                    12.00 %
GPNAM[3]            SMSQ10.100
GPZ3                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                      12.004 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                        QF
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S45 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **7**




```
Current Data Parameters
NAME                 RDP-99C
EXPNO                      7
PROCNO                     1

F2 - Acquisition Parameters
Date_              20200906
Time                  15.35 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG       noesygpphpp
TD                      2048
SOLVENT                CDCl3
NS                         2
DS                        16
SWH                 7211.539 Hz
FIDRES              7.042518 Hz
AQ                  0.1419947 sec
RG                      60.93
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
D0                0.00005667 sec
D1                2.00000000 sec
D8                0.80000001 sec
D11               0.03000000 sec
D12               0.00002000 sec
D16               0.00020000 sec
IN0               0.00013880 sec
TDav                       1
SFO1             600.2024008 MHz
NUC1                      1H
P1                     10.00 usec
P2                     20.00 usec
P17                  2500.00 usec
PLW1            17.23500061 W
PLW10            2.75760007 W
GPNAM[1]        SMSQ10.100
GPZ1                   40.00 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                       256
SFO1              600.2024 MHz
FIDRES           56.286022 Hz
SW                   12.004 ppm
FnMODE         States-TPPI

F2 - Processing parameters
SI                      1024
SF              600.2000000 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
PC                      1.00

F1 - Processing parameters
SI                      1024
MC2            States-TPPI
SF              600.2000000 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
```

Figure S46 NOESY spectrum (600 MHz, $CDCl_3$) of compound **7**

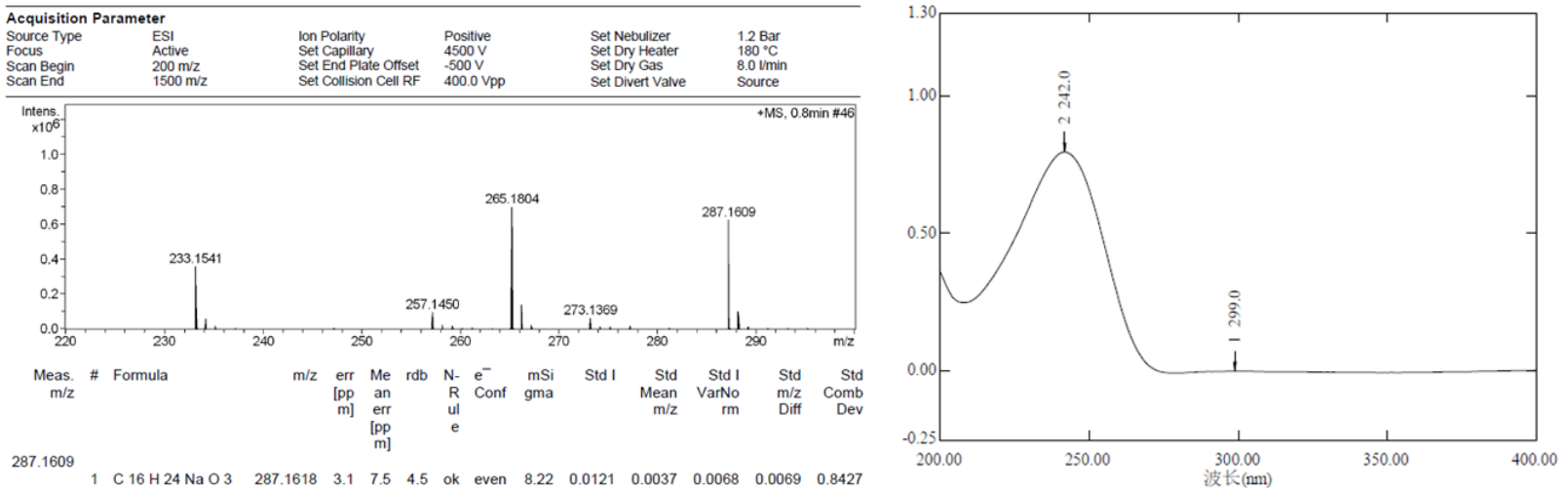
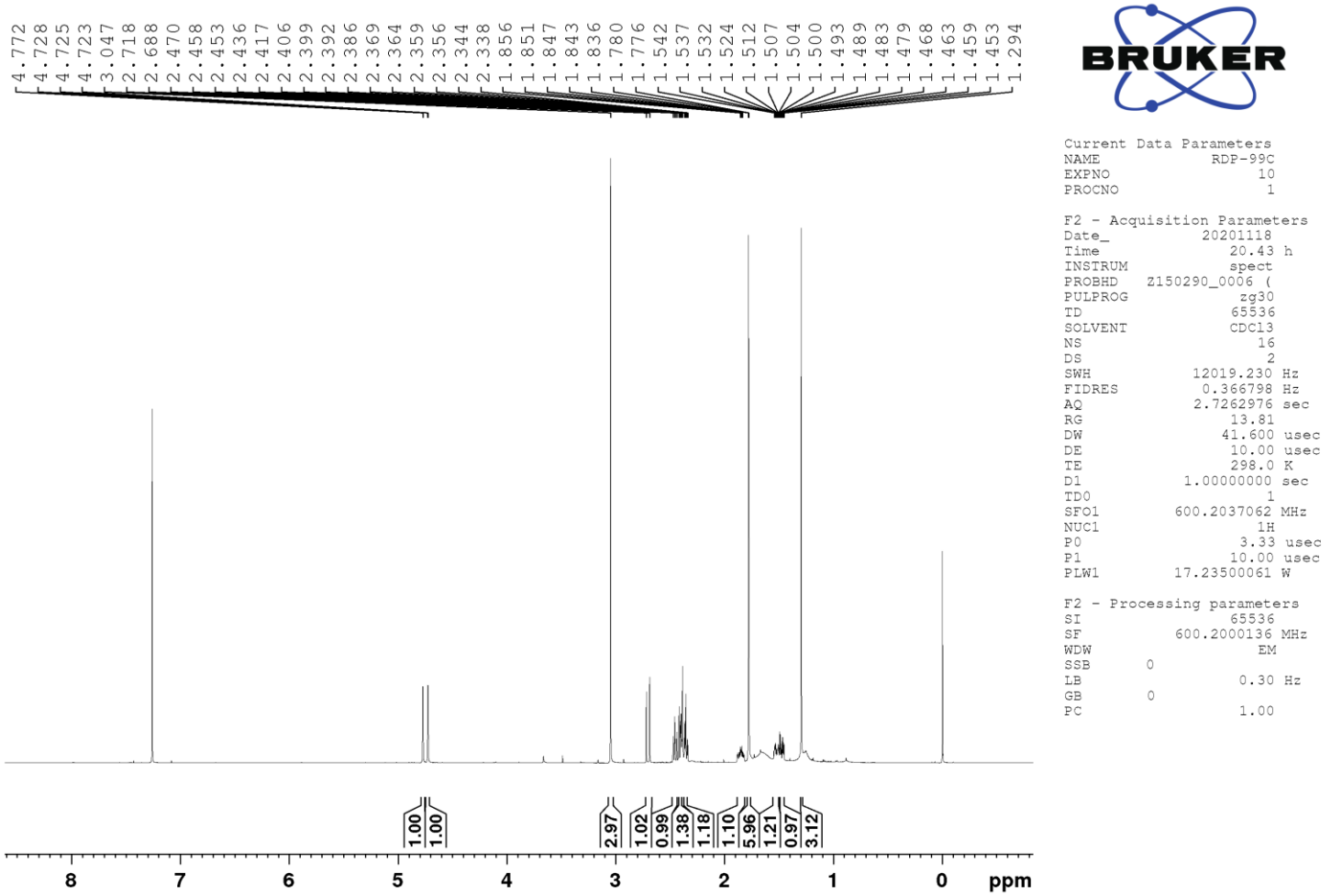


Figure S47 HRESIMS and UV spectra of compound **8**



BRUKER

```
Current Data Parameters
NAME                  RDP-99C
EXPNO                      10
PROCNO                      1

F2 - Acquisition Parameters
Date_               20201118
Time                   20.43 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG                 zg30
TD                     65536
SOLVENT                CDCl3
NS                        16
DS                         2
SWH               12019.230 Hz
FIDRES             0.366798 Hz
AQ                2.7262976 sec
RG                     13.81
DW                    41.600 usec
DE                    10.00 usec
TE                    298.0 K
D1              1.00000000 sec
TD0                        1
SFO1           600.2037062 MHz
NUC1                      1H
P0                     3.33 usec
P1                    10.00 usec
PLW1           17.23500061 W

F2 - Processing parameters
SI                     65536
SF             600.2000136 MHz
WDW                       EM
SSB         0
LB                     0.30 Hz
GB          0
PC                     1.00
```

Figure S48 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **8**

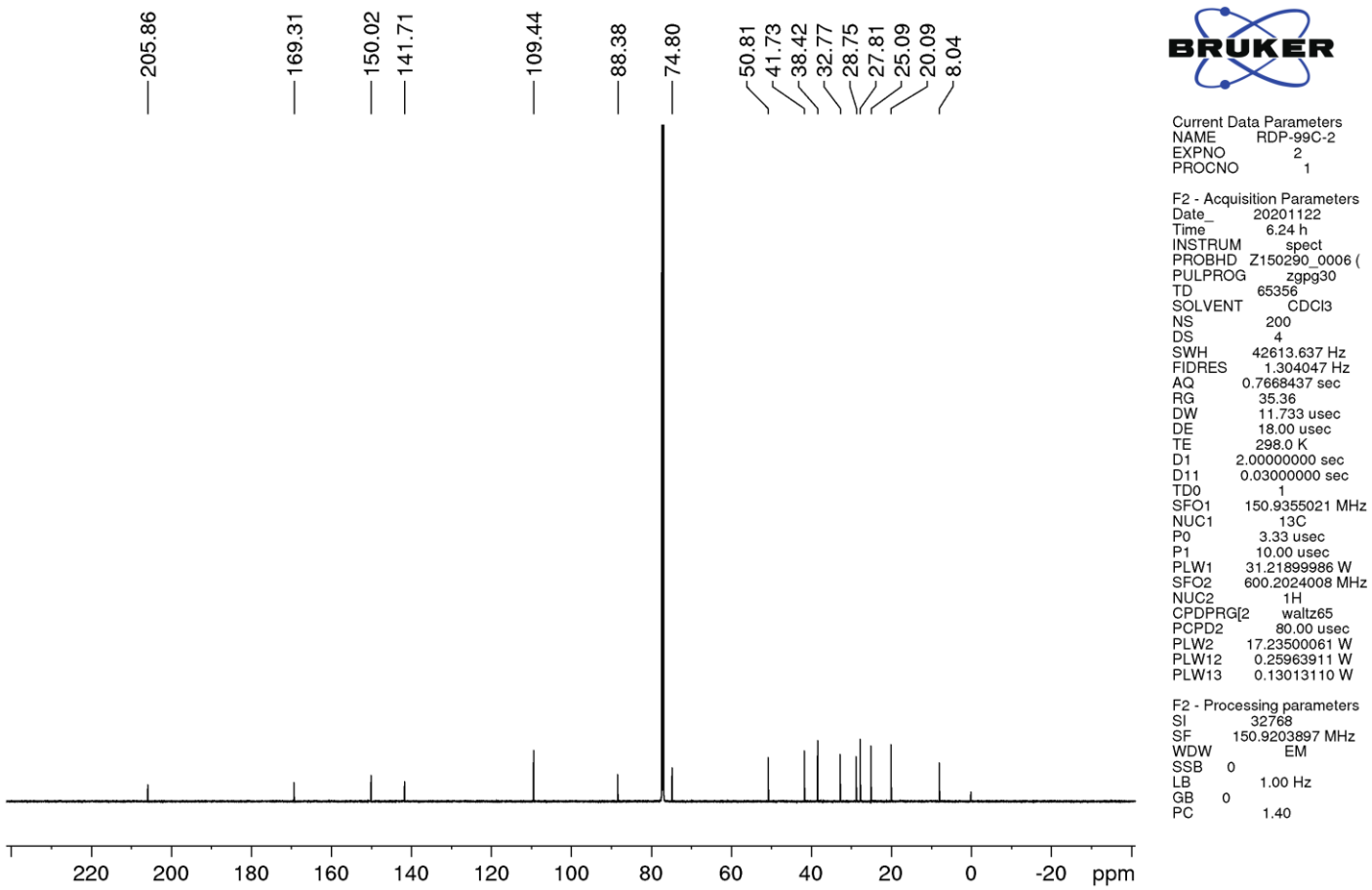
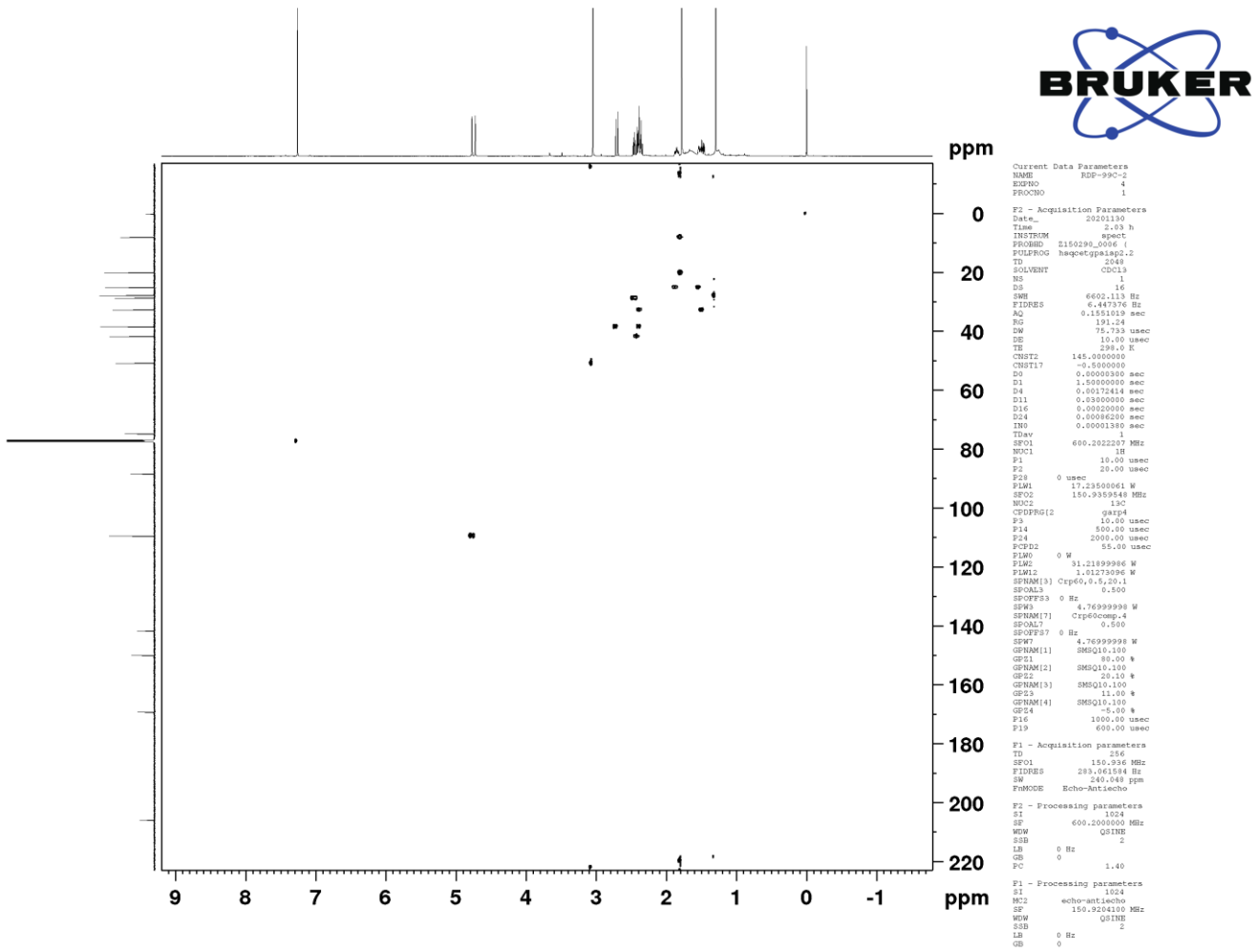


Figure S49 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **8**



Current Data Parameters
NAME RDP-99C-2
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20201130
Time 2.03 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 1
DS 16
SWH 6602.113 Hz
FIDRES 6.447376 Hz
AQ 0.1551019 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001380 sec
TDav 1
SFO1 600.2022207 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9359548 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.936 MHz
FIDRES 283.061584 Hz
SW 240.049 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S50 HSQC spectrum (600 MHz, $CDCl_3$) of compound **8**

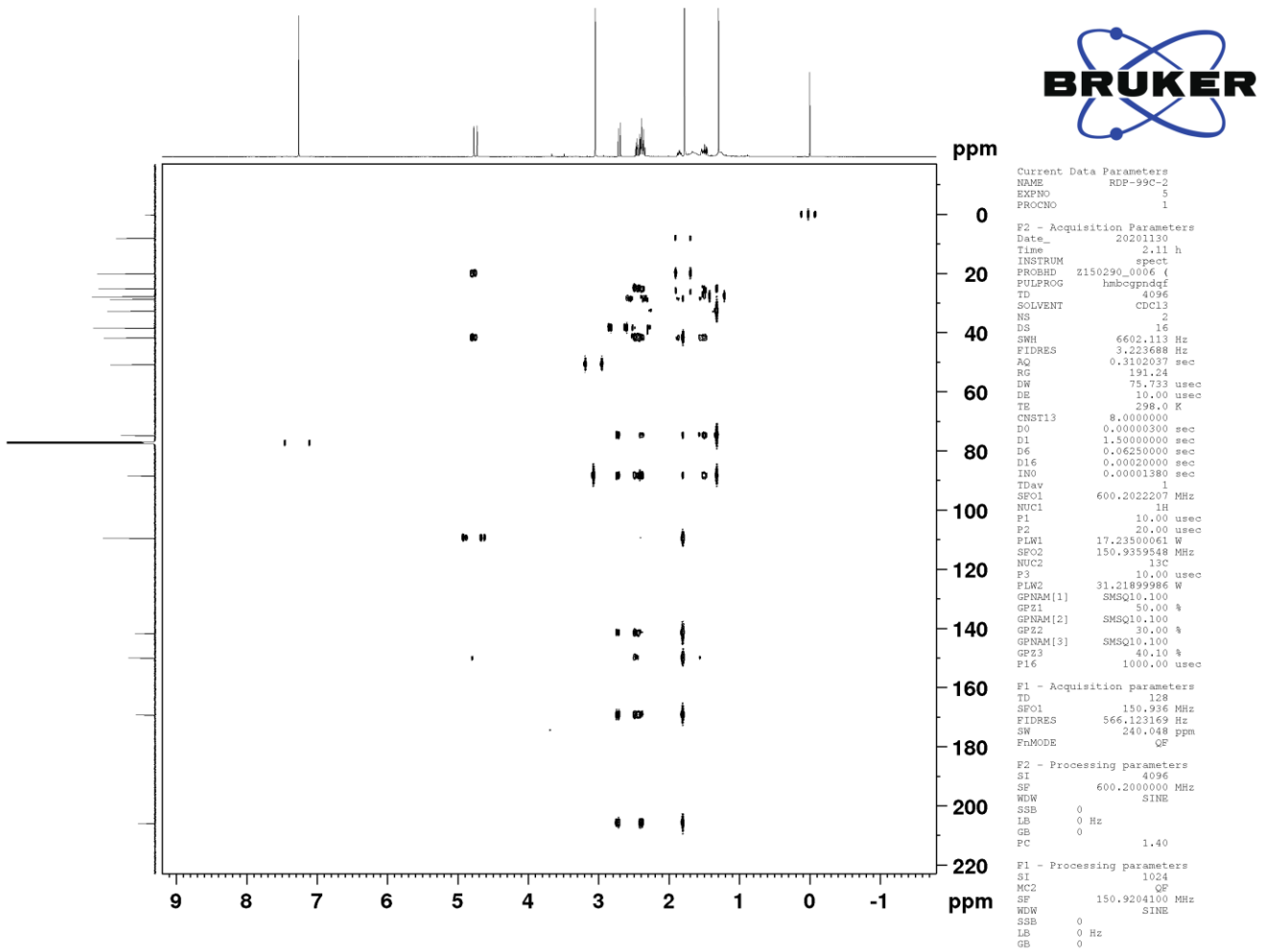
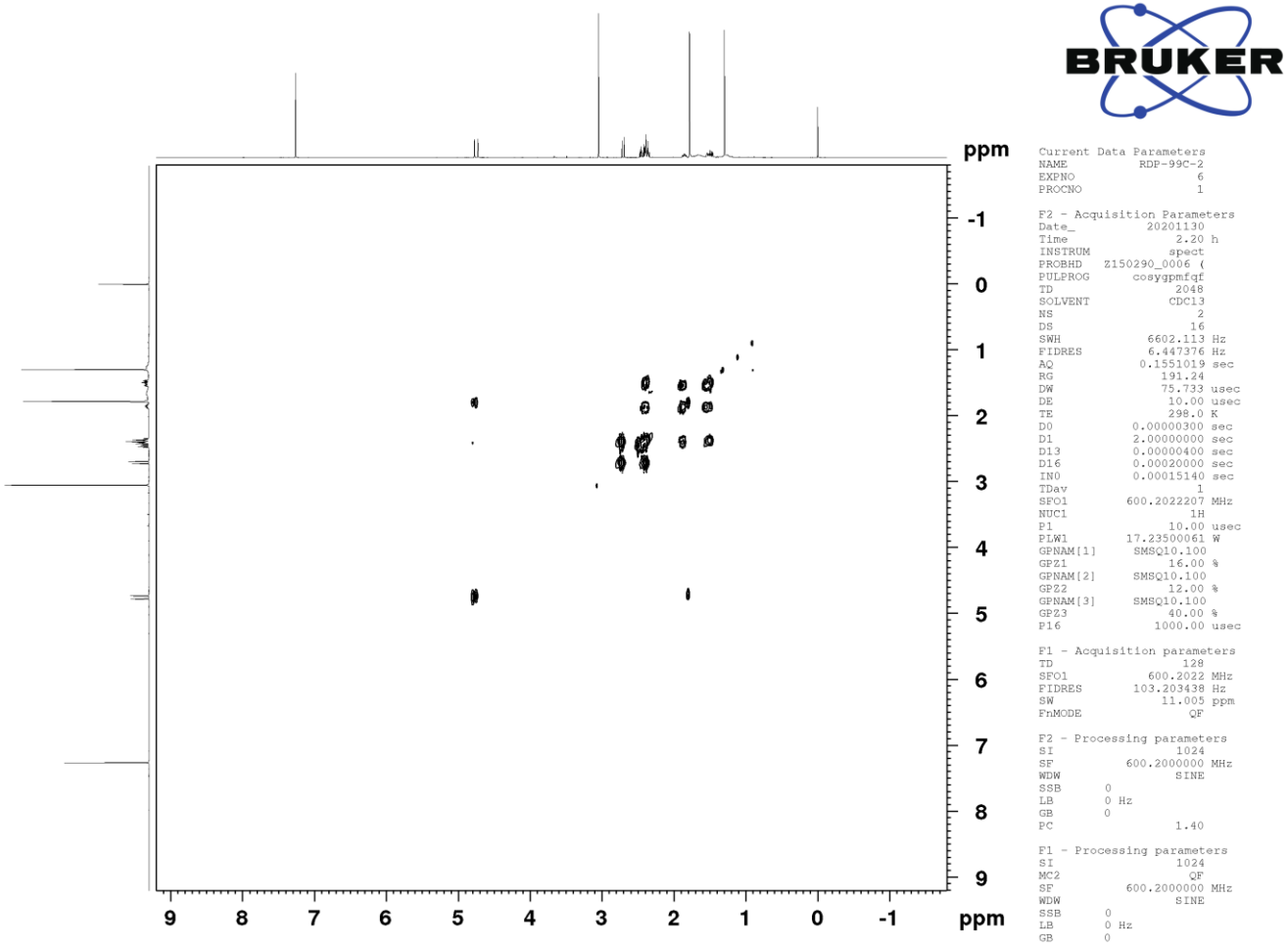


Figure S51 HMBC spectrum (600 MHz, $CDCl_3$) of compound **8**




```
Current Data Parameters
NAME                  RDP-99C-2
EXPNO                         6
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20201130
Time                       2.20 h
INSTRUM                    spect
PROBHD    Z150290_0006 (
PULPROG               cosygpmfqf
TD                          2048
SOLVENT                   CDCl3
NS                             2
DS                            16
SWH                    6602.113 Hz
FIDRES                 6.447376 Hz
AQ                     0.1551019 sec
RG                        191.24
DW                        75.733 usec
DE                        10.00 usec
TE                        298.0 K
D0                     0.00000300 sec
D1                     2.00000000 sec
D13                    0.00000400 sec
D16                    0.00020000 sec
IN0                    0.00015140 sec
TDav                           1
SFO1                600.2022207 MHz
NUC1                        1H
P1                        10.00 usec
PLW1               17.23500061 W
GPNAM[1]              SMSQ10.100
GPZ1                      16.00 %
GPNAM[2]              SMSQ10.100
GPZ2                      12.00 %
GPNAM[3]              SMSQ10.100
GPZ3                      40.00 %
P16                     1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                  600.2022 MHz
FIDRES             103.203438 Hz
SW                      11.005 ppm
FnMODE                       QF

F2 - Processing parameters
SI                          1024
SF                 600.2000000 MHz
WDW                       SINE
SSB       0
LB        0 Hz
GB        0
PC                        1.40

F1 - Processing parameters
SI                          1024
MC2                          QF
SF                 600.2000000 MHz
WDW                       SINE
SSB       0
LB        0 Hz
GB        0
```


Figure S52 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **8**

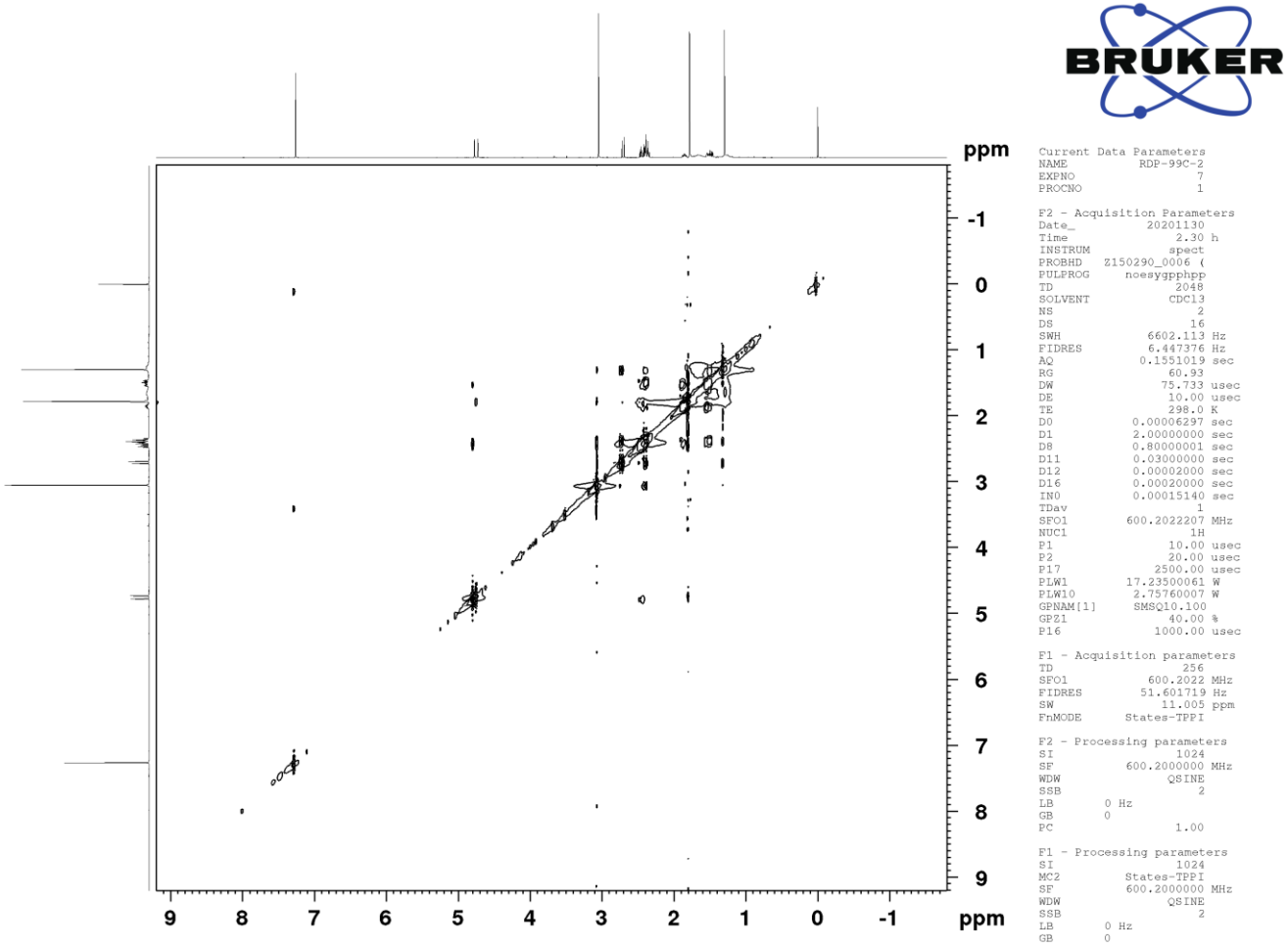


Figure S53 NOESY spectrum (600 MHz, $CDCl_3$) of compound **8**

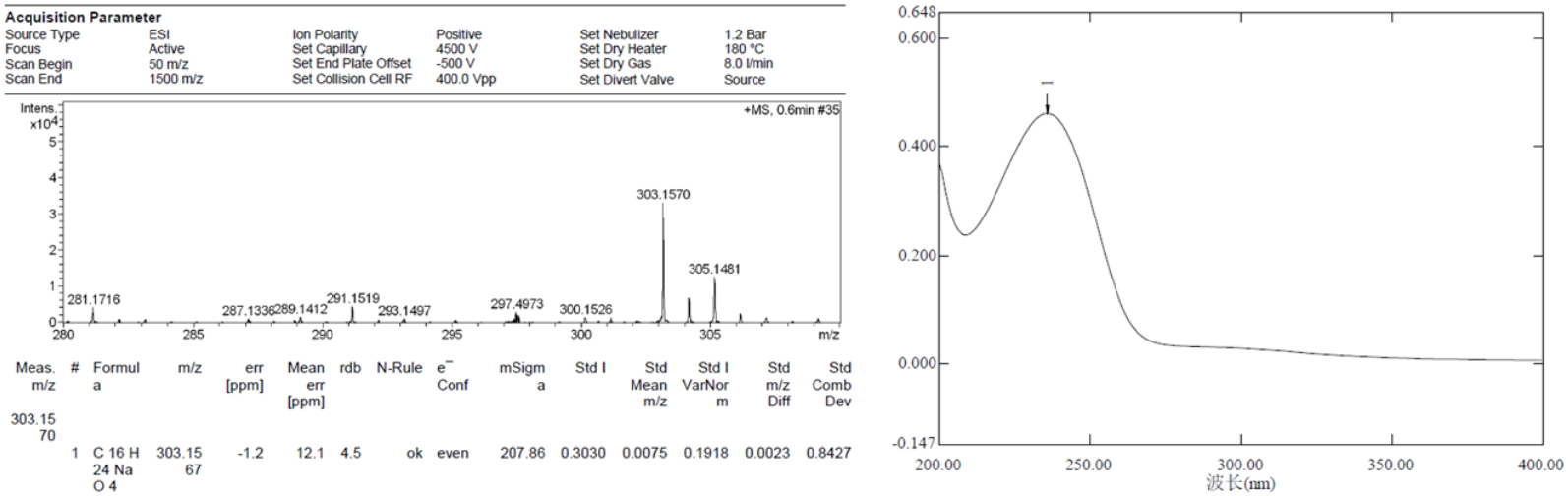


Figure S54 HRESIMS and UV spectra of compound **9**

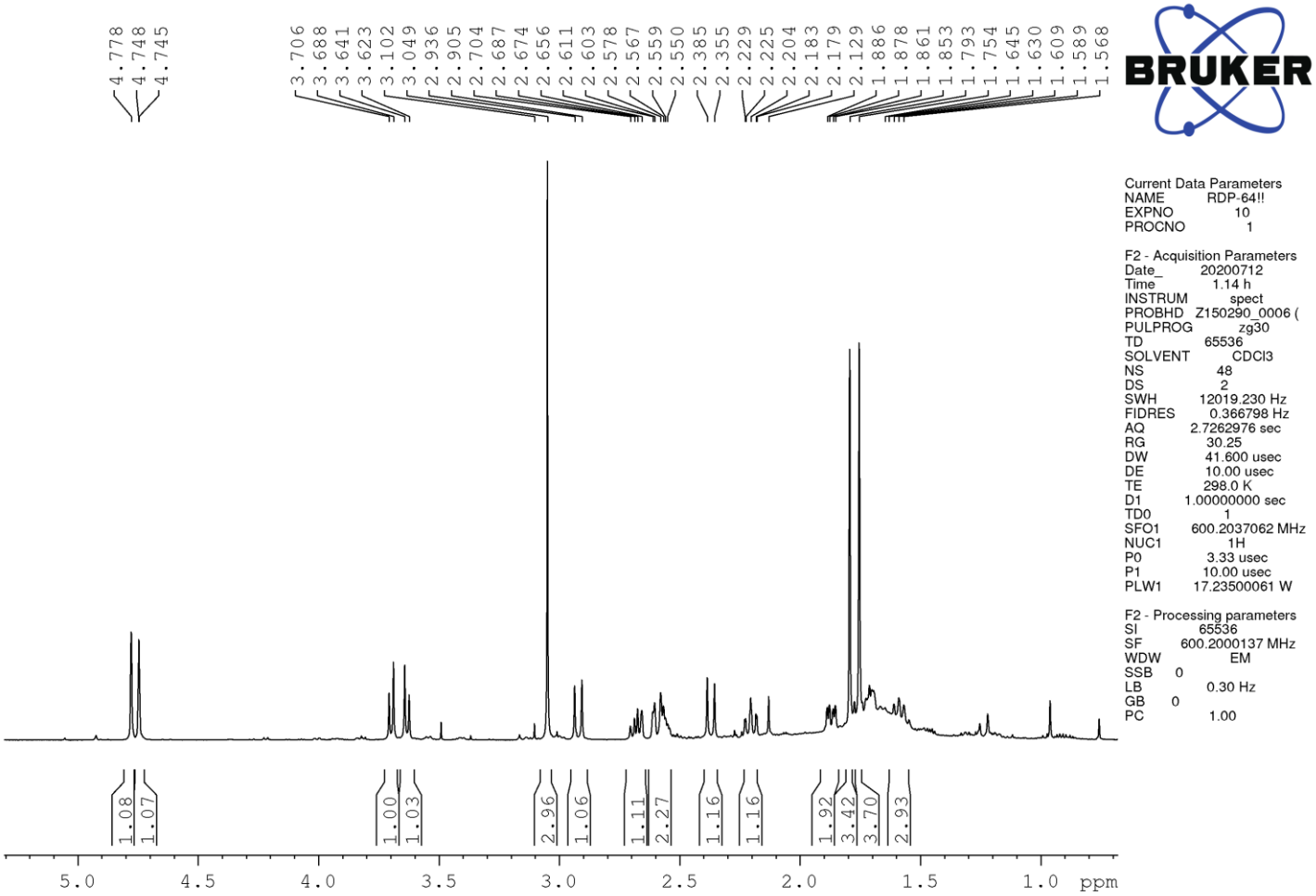


Figure S55 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **9**

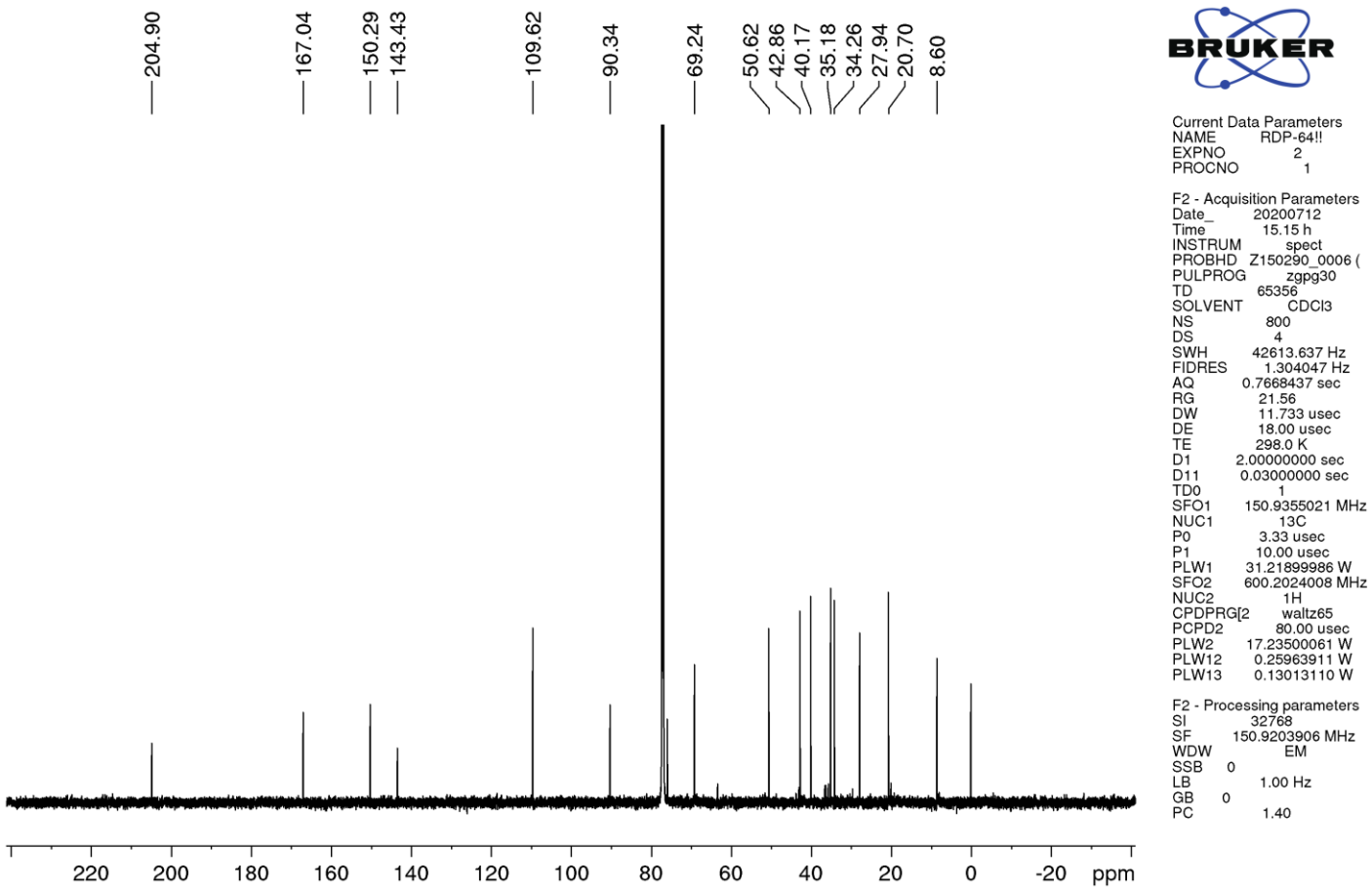
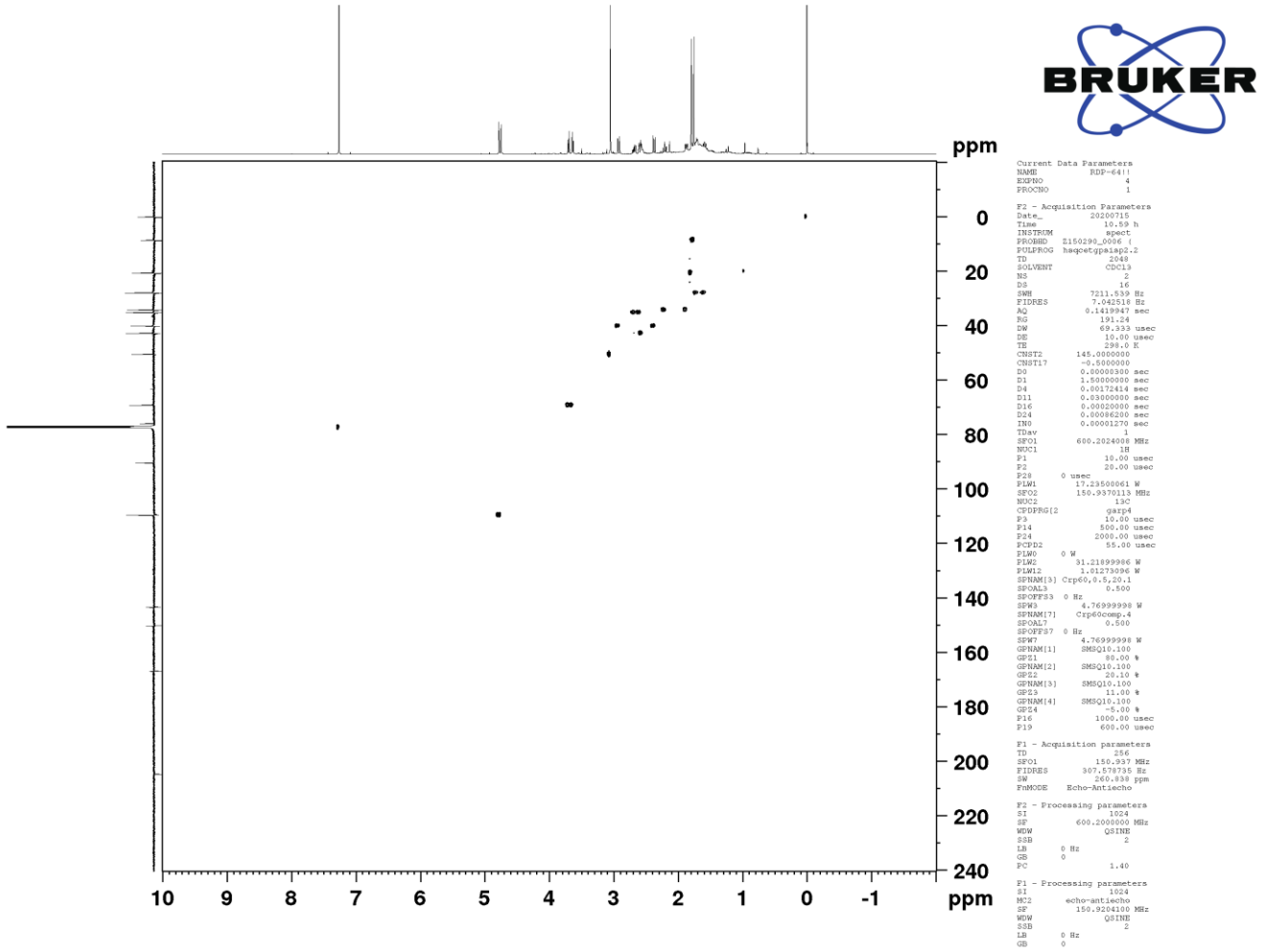


Figure S56 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **9**



Current Data Parameters
NAME RDP-641
EXPNO 4
PROCNO 1

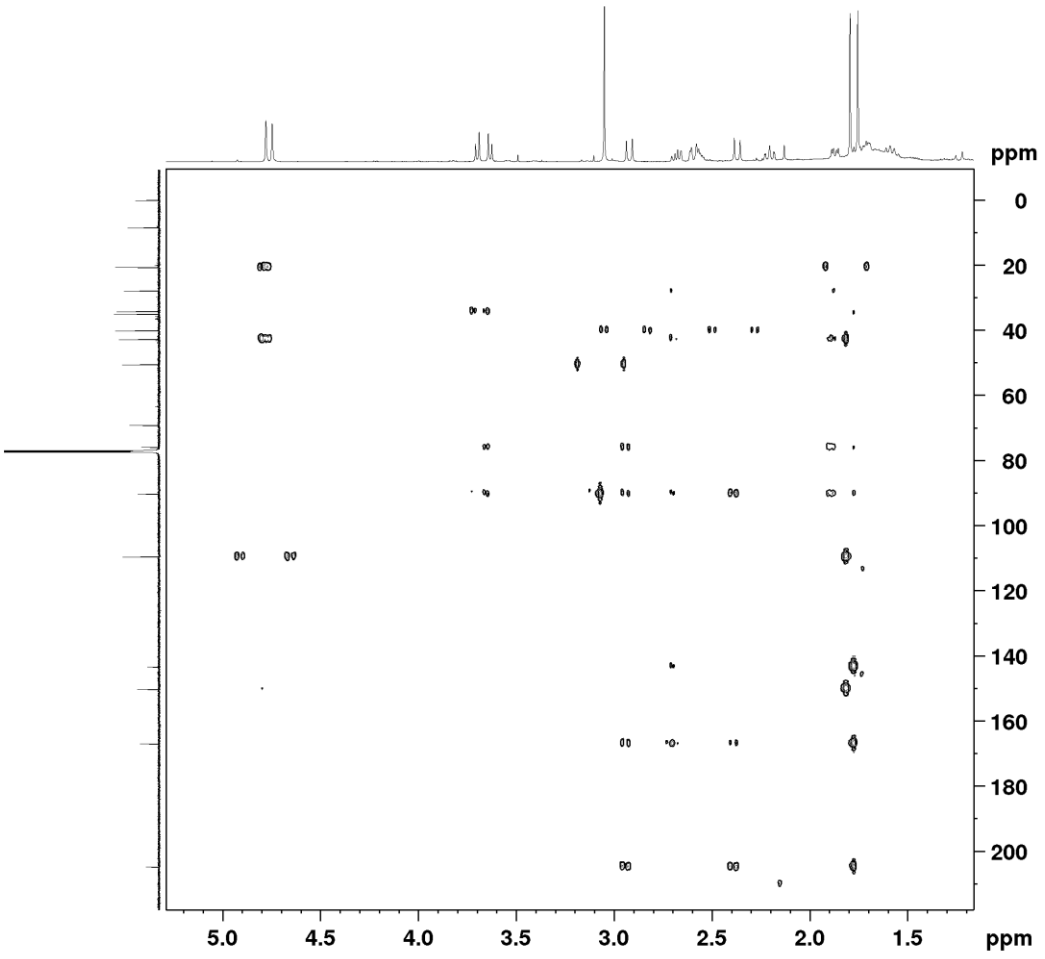
F2 - Acquisition Parameters
Date_ 20200715
Time 10.59 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.937 MHz
FIDRES 307.678795 Hz
SW 260.838 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

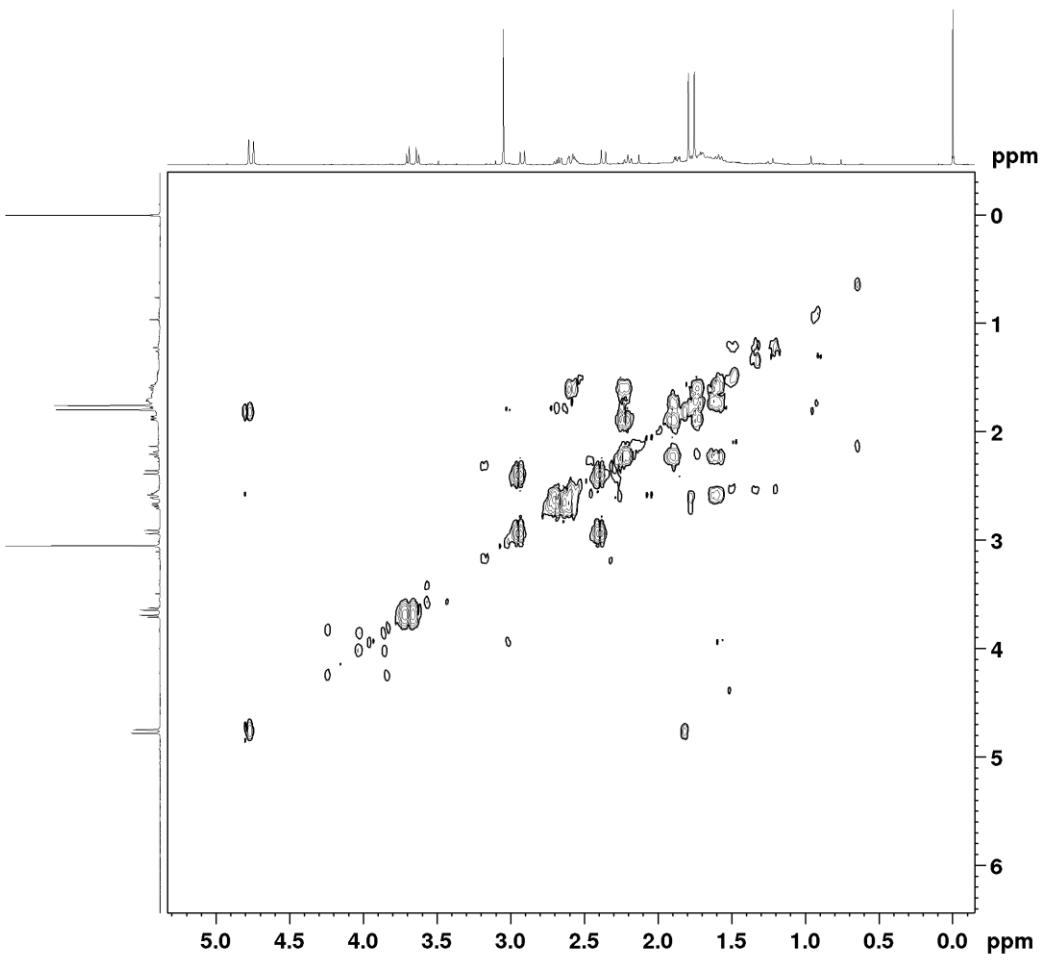
F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S57 HSQC spectrum (600 MHz, $CDCl_3$) of compound **9**




```
Current Data Parameters
NAME                  RDP-64!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200715
Time                     11.14 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                       4096
SOLVENT                  CDCl3
NS                          6
DS                         16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                      191.24
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                        1
SFO1                600.2024008 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
PLW1                17.23500061 W
SFO2                150.9370113 MHz
NUC2                        13C
P3                      10.00 usec
PLW2                31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                    40.10 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                150.937 MHz
FIDRES              615.157471 Hz
SW                     260.838 ppm
FnMODE                     QF

F2 - Processing parameters
SI                       4096
SF                600.2000000 MHz
WDW                      SINE
SSB           0
LB            0 Hz
GB            0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2                        QF
SF                150.9204100 MHz
WDW                      SINE
SSB           0
LB            0 Hz
GB            0
```

Figure S58 HMBC spectrum (600 MHz, $CDCl_3$) of compound **9**



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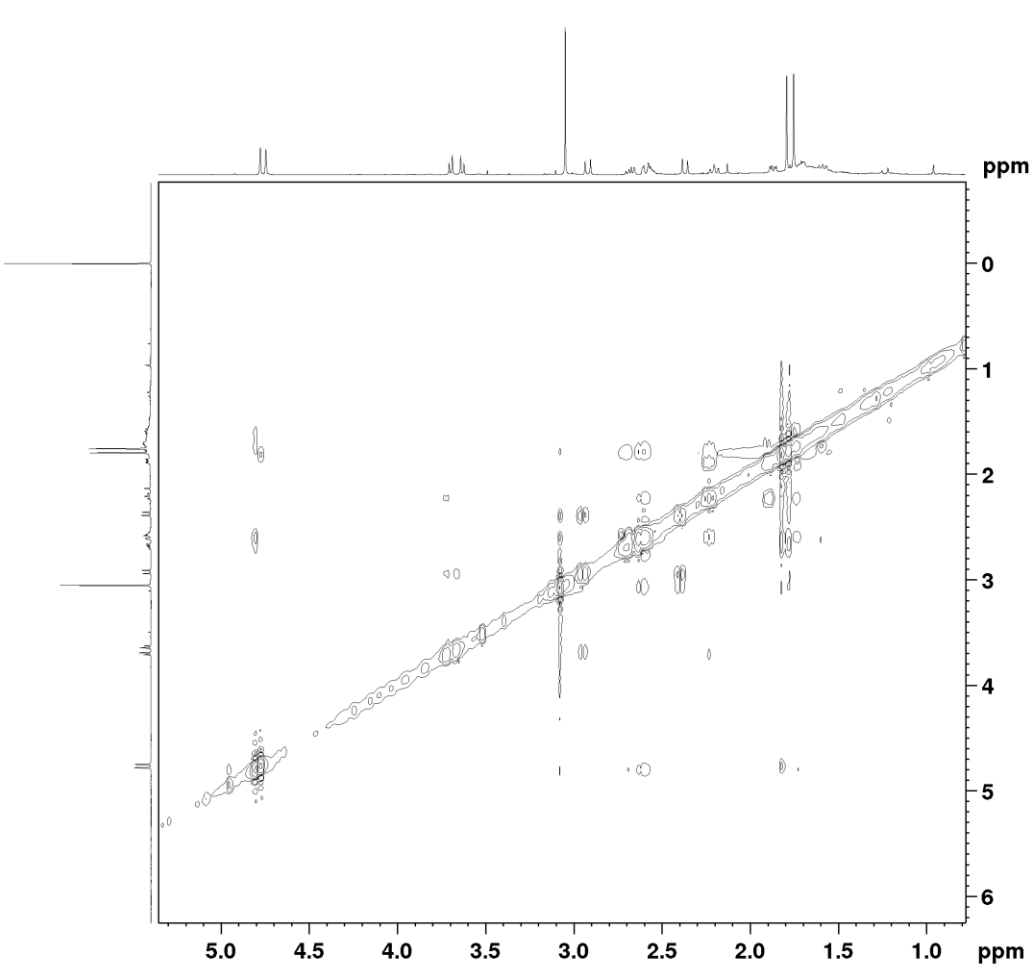
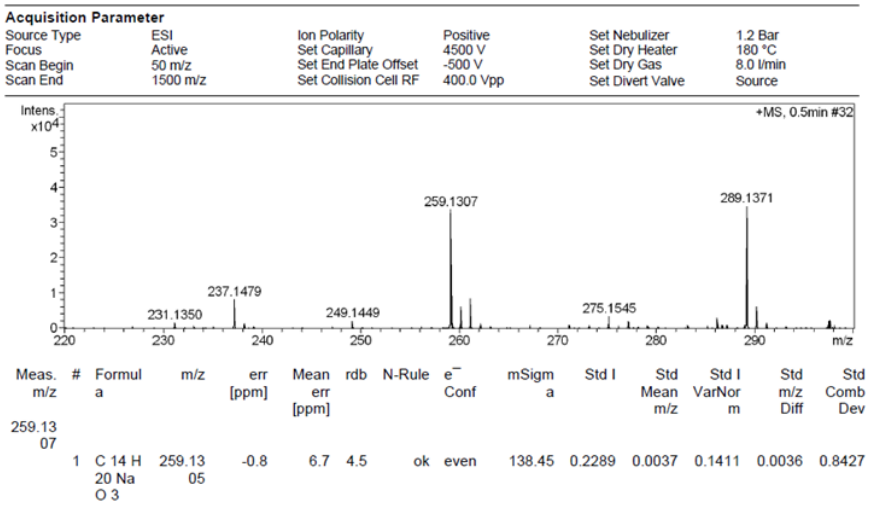
```
Current Data Parameters
NAME                  RDP-64!!
EXPNO                        6
PROCNO                       1

F2 - Acquisition Parameters
Date_               20200715
Time                   11.39 h
INSTRUM                spect
PROBHD     Z150290_0006 (
PULPROG          cosygpmfqf
TD                        2048
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                 7211.539 Hz
FIDRES              7.042518 Hz
AQ                  0.1419947 sec
RG                     191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
D0                  0.00000300 sec
D1                  2.00000000 sec
D13                 0.00000400 sec
D16                 0.00020000 sec
IN0                 0.00013880 sec
TDav                         1
SFO1               600.2024008 MHz
NUC1                        1H
P1                     10.00 usec
PLW1               17.23500061 W
GPNAM[1]            SMSQ10.100
GPZ1                   16.00 %
GPNAM[2]            SMSQ10.100
GPZ2                   12.00 %
GPNAM[3]            SMSQ10.100
GPZ3                   40.00 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                     12.004 ppm
FnMODE                      QF

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S59 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **9**




```
Current Data Parameters
NAME                  RDP-64!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200715
Time                     11.59 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                        60.93
DW                        69.333 usec
DE                        10.00 usec
TE                        298.0 K
D0                    0.00005667 sec
D1                    2.00000000 sec
D8                    0.80000001 sec
D11                   0.03000000 sec
D12                   0.00002000 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                        10.00 usec
P2                        20.00 usec
P17                     2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]             SMSQ10.100
GPZ1                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                       12.004 ppm
FnMODE             States-TPPI

F2 - Processing parameters
SI                        1024
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                        1024
MC2                States-TPPI
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S60 NOESY spectrum (600 MHz, $CDCl_3$) of compound **9**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
259.1307	1	C 14 H 20 Na O 3	259.1305	-0.8	6.7	4.5	ok	even	138.45	0.2289	0.0037	0.1411	0.0036	0.8427

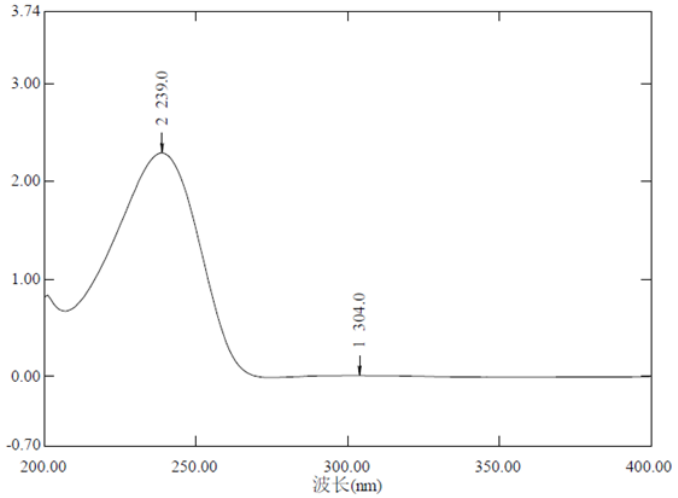


Figure S61 HRESIMS and UV spectra of compound **10**

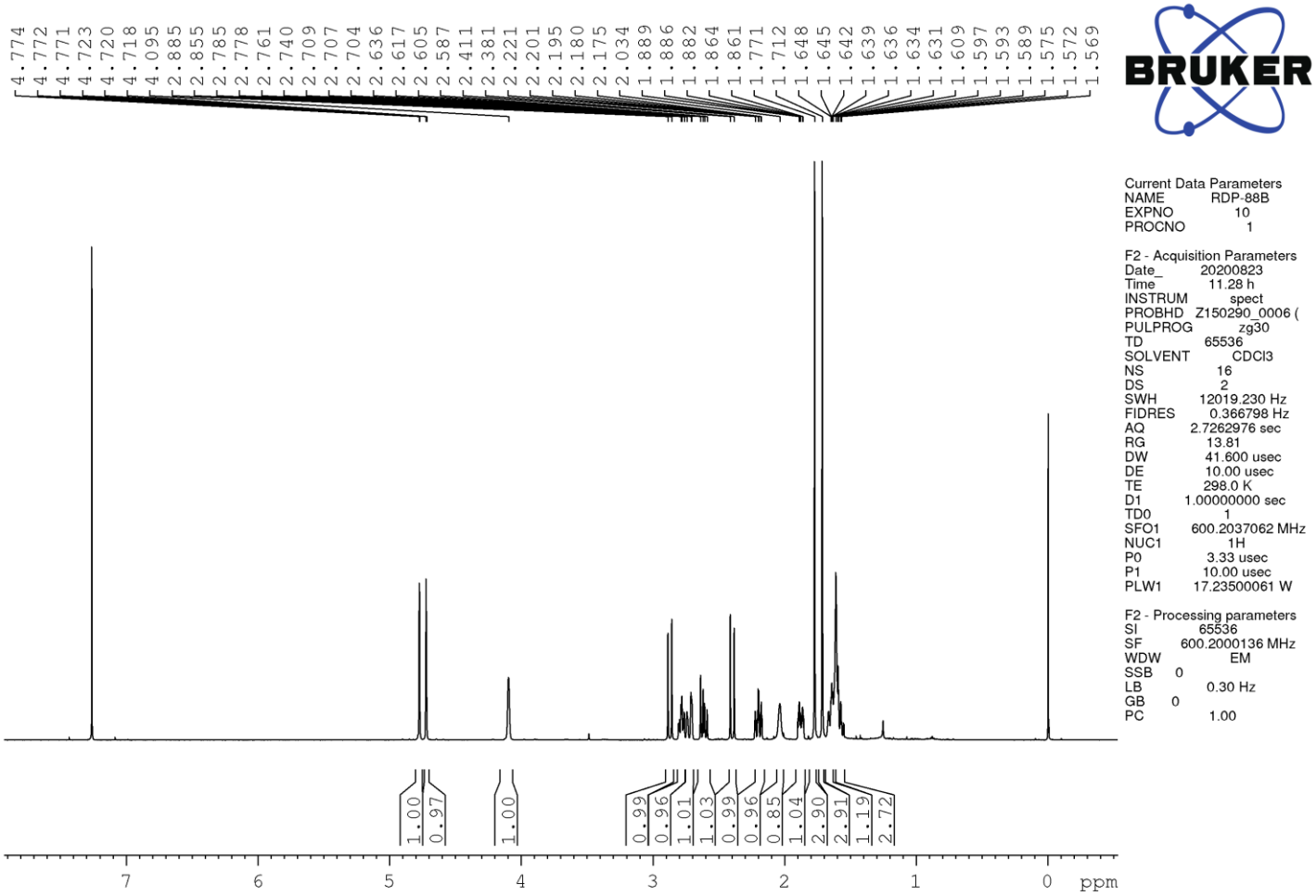


Figure S62 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **10**

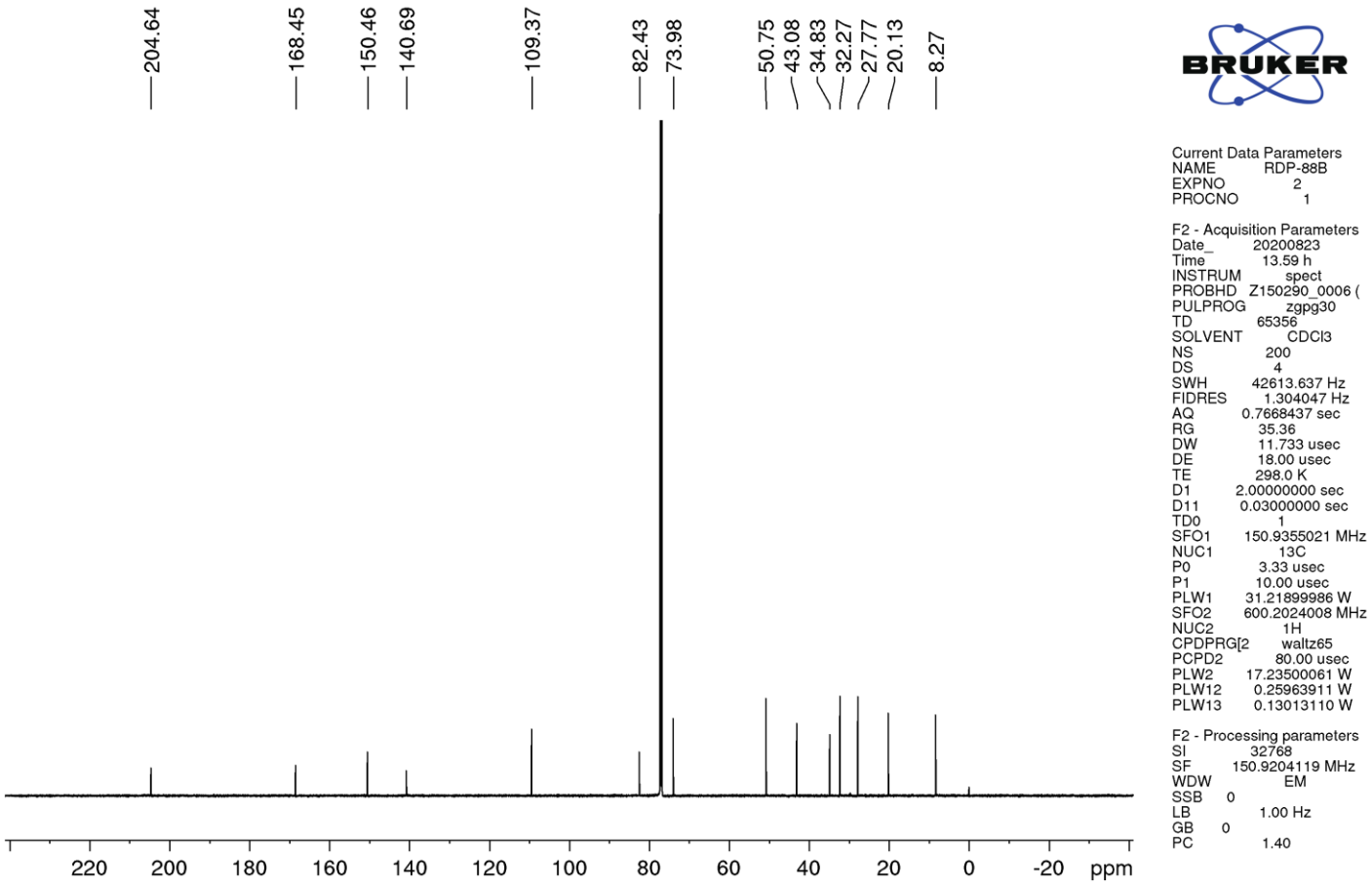
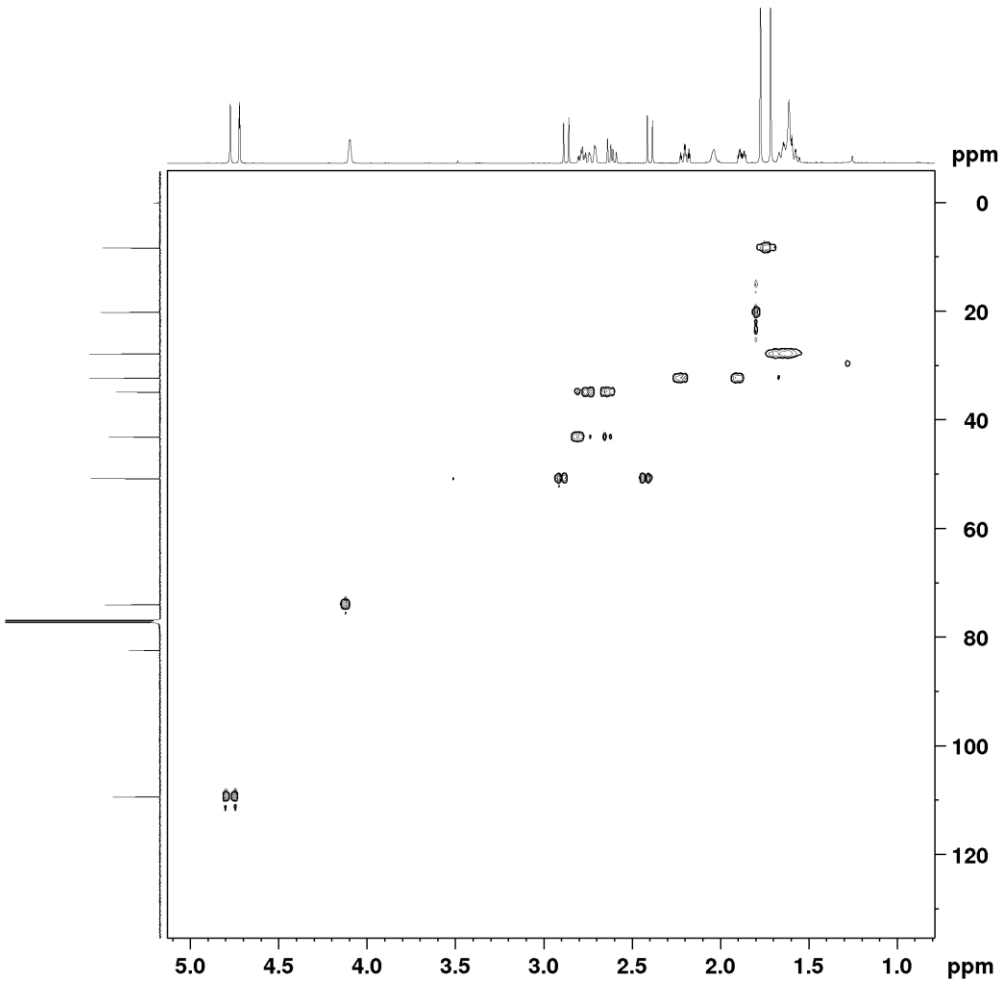
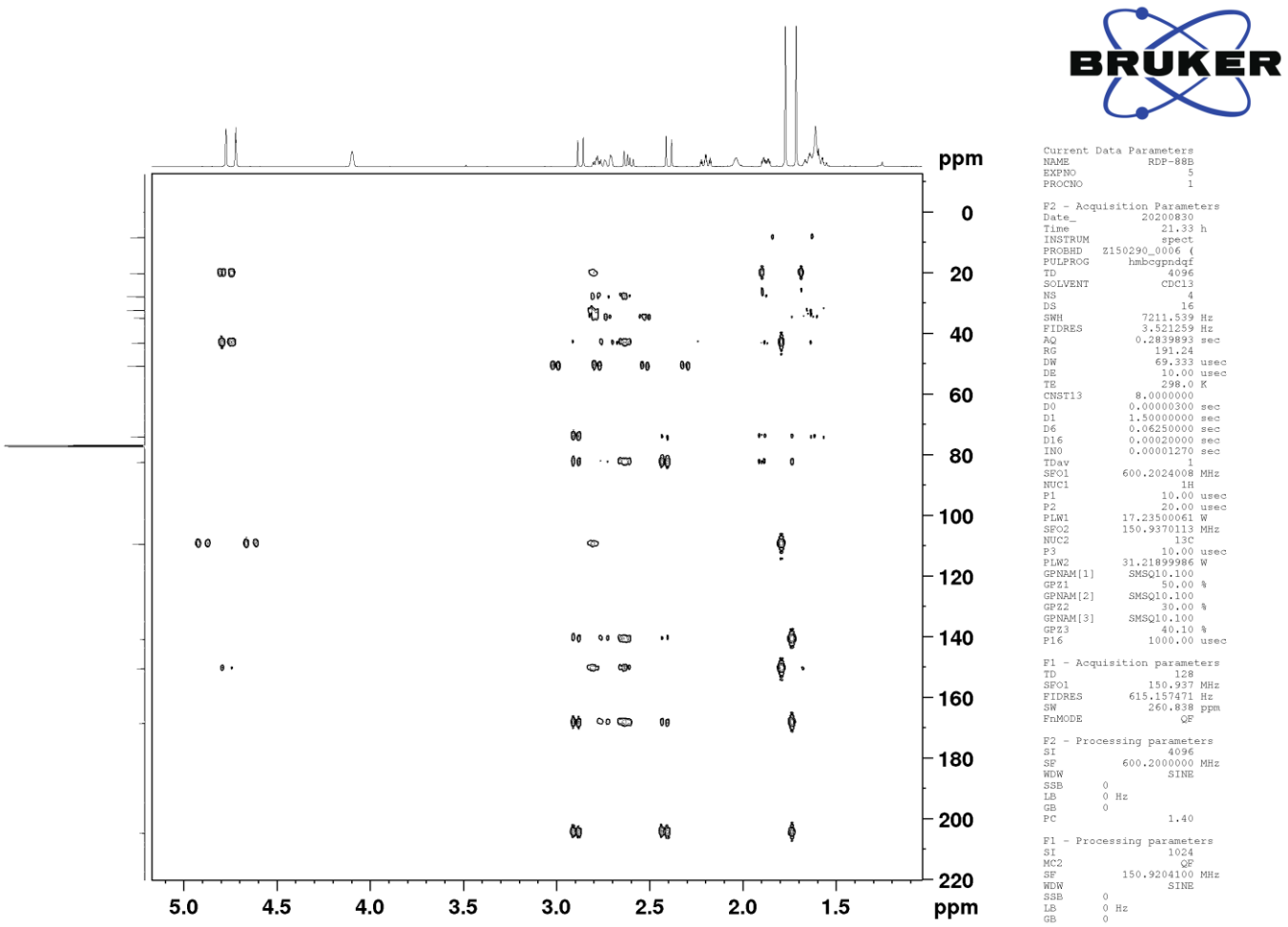


Figure S63 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **10**




```
Current Data Parameters
NAME                 RDP-88B
EXPNO                      4
PROCNO                     1

F2 - Acquisition Parameters
Date_              20200830
Time                 21.18 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG    hsqcetgpsisp2.2
TD                      2048
SOLVENT                 CDCl3
NS                         2
DS                        16
SWH                7211.539 Hz
FIDRES             7.042518 Hz
AQ                 0.1419947 sec
RG                    191.24
DW                  69.333 usec
DE                   10.00 usec
TE                    298.0 K
CNST2            145.00000000
CNST17            -0.5000000
D0                 0.00000300 sec
D1                 1.50000000 sec
D4                 0.00172414 sec
D11                0.03000000 sec
D16                0.00020000 sec
D24                0.00086200 sec
IN0                0.00001270 sec
TD0                        1
SFO1             600.2024008 MHz
NUC1                      1H
P1                   10.00 usec
P2                   20.00 usec
P28          0 usec
PLW1           17.23500061 W
SFO2           150.9370113 MHz
NUC2                      13C
CPDPRG[2                garp4
P3                   10.00 usec
P14                 500.00 usec
P24                2000.00 usec
PCPD2                55.00 usec
PLW0         0 W
PLW2           31.21899986 W
PLW12           1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                  0.500
SPOFFS3   0 Hz
SPW3            4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                  0.500
SPOFFS7   0 Hz
SPW7            4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                   80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                   20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                   11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                   -5.00 %
P16                 1000.00 usec
P19                  600.00 usec

F1 - Acquisition parameters
TD                       256
SFO1               150.937 MHz
FIDRES          307.578735 Hz
SW                 260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                      1024
SF              600.2000000 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
PC                      1.40

F1 - Processing parameters
SI                      1024
MC2          echo-antiecho
SF               150.9204100 MHz
WDW                    QSINE
SSB                        2
LB          0 Hz
GB          0
```

Figure S64 HSQC spectrum (600 MHz, $CDCl_3$) of compound **10**



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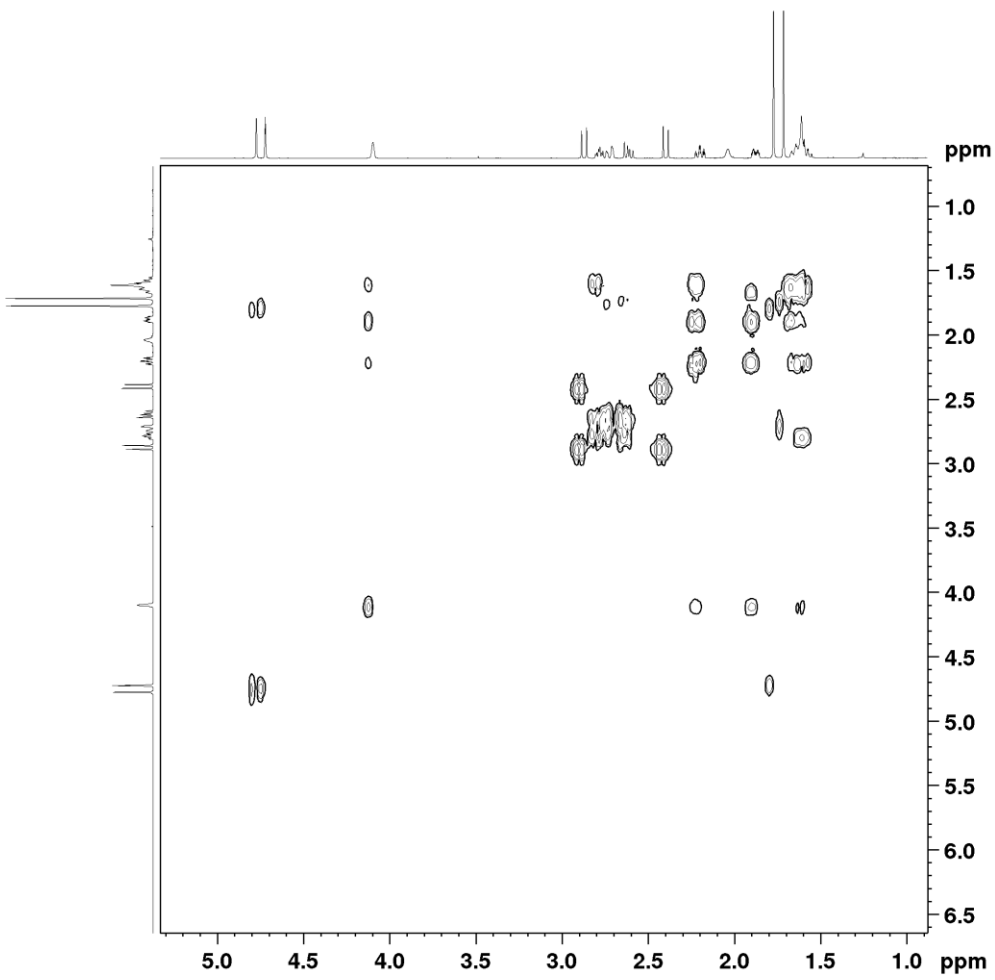
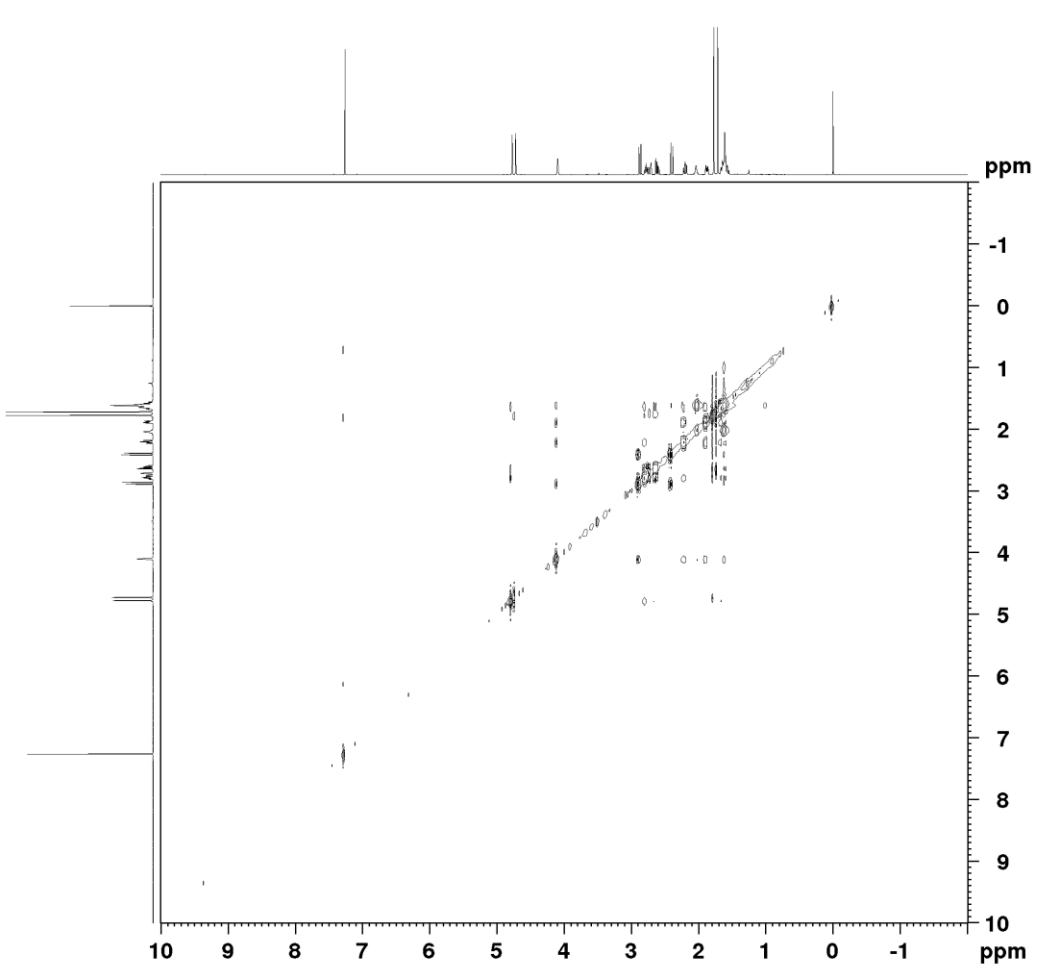
```
Current Data Parameters
NAME                  RDP-88B
EXPNO                       5
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200830
Time                    21.33 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                       4096
SOLVENT                 CDCl3
NS                          4
DS                         16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                      191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
P2                     20.00 usec
PLW1               17.23500061 W
SFO2               150.9370113 MHz
NUC2                       13C
P3                     10.00 usec
PLW2               31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                    40.10 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1               150.937 MHz
FIDRES             615.157471 Hz
SW                 260.838 ppm
FnMODE                     QF

F2 - Processing parameters
SI                       4096
SF                 600.2000000 MHz
WDW                      SINE
SSB             0
LB              0 Hz
GB              0
PC                      1.40

F1 - Processing parameters
SI                       1024
MC2                        QF
SF                 150.9204100 MHz
WDW                      SINE
SSB             0
LB              0 Hz
GB              0
```

Figure S65 HMBC spectrum (600 MHz, $CDCl_3$) of compound **10**




```
Current Data Parameters
NAME                  RDP-88B
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200830
Time                    21.50 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                  CDCl3
NS                          2
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                     191.24
DW                      69.333 usec
DE                      10.00 usec
TE                     298.0 K
D0                   0.00000300 sec
D1                   2.00000000 sec
D13                  0.00000400 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
PLW1               17.23500061 W
GPNAM[1]            SMSQ10.100
GPZ1                    16.00 %
GPNAM[2]            SMSQ10.100
GPZ2                    12.00 %
GPNAM[3]            SMSQ10.100
GPZ3                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                      12.004 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                       SINE
SSB             0
LB              0 Hz
GB              0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                        QF
SF                600.2000000 MHz
WDW                       SINE
SSB             0
LB              0 Hz
GB              0
```

Figure S66 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **10**



Current Data Parameters
NAME RDP-88B
EXPNO 7
PROCNO 1

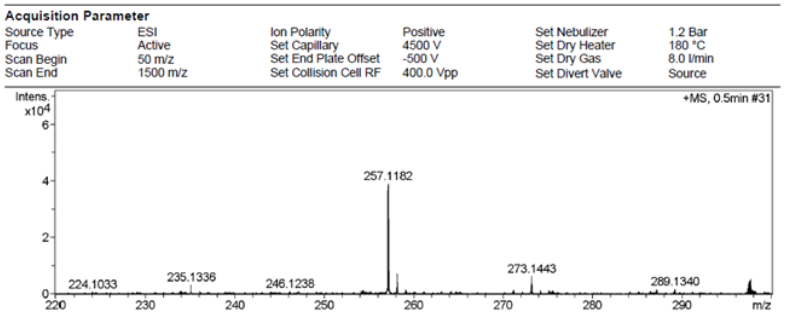
F2 - Acquisition Parameters
Date_ 20200830
Time 22.00 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG noesygpphpp
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 60.93
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00005667 sec
D1 2.00000000 sec
D8 0.80000001 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P17 2500.00 usec
PLW1 17.23500061 W
PLW10 2.75760007 W
GPNAM[1] SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 600.2024 MHz
FIDRES 56.286022 Hz
SW 12.004 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S67 NOESY spectrum (600 MHz, $CDCl_3$) of compound **10**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
257.1182	1	C 14 H 18 Na O 3	257.1148	-13.1	-10.0	5.5	ok	even	22.96	0.0476	0.0031	0.0216	0.0037	0.8427
	2	C 12 H 19 Na 2 O 3	257.1124	-22.5	-19.4	2.5	ok	even	34.58	0.0710	0.0053	0.0304	0.0037	0.9210

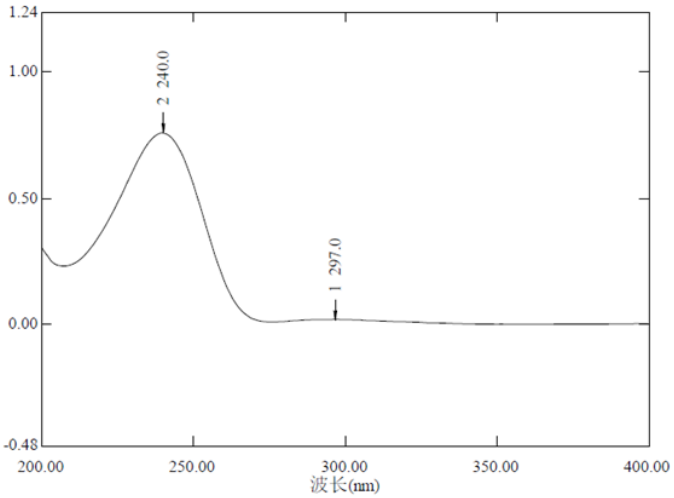


Figure S68 HRESIMS and UV spectra of compound **11**

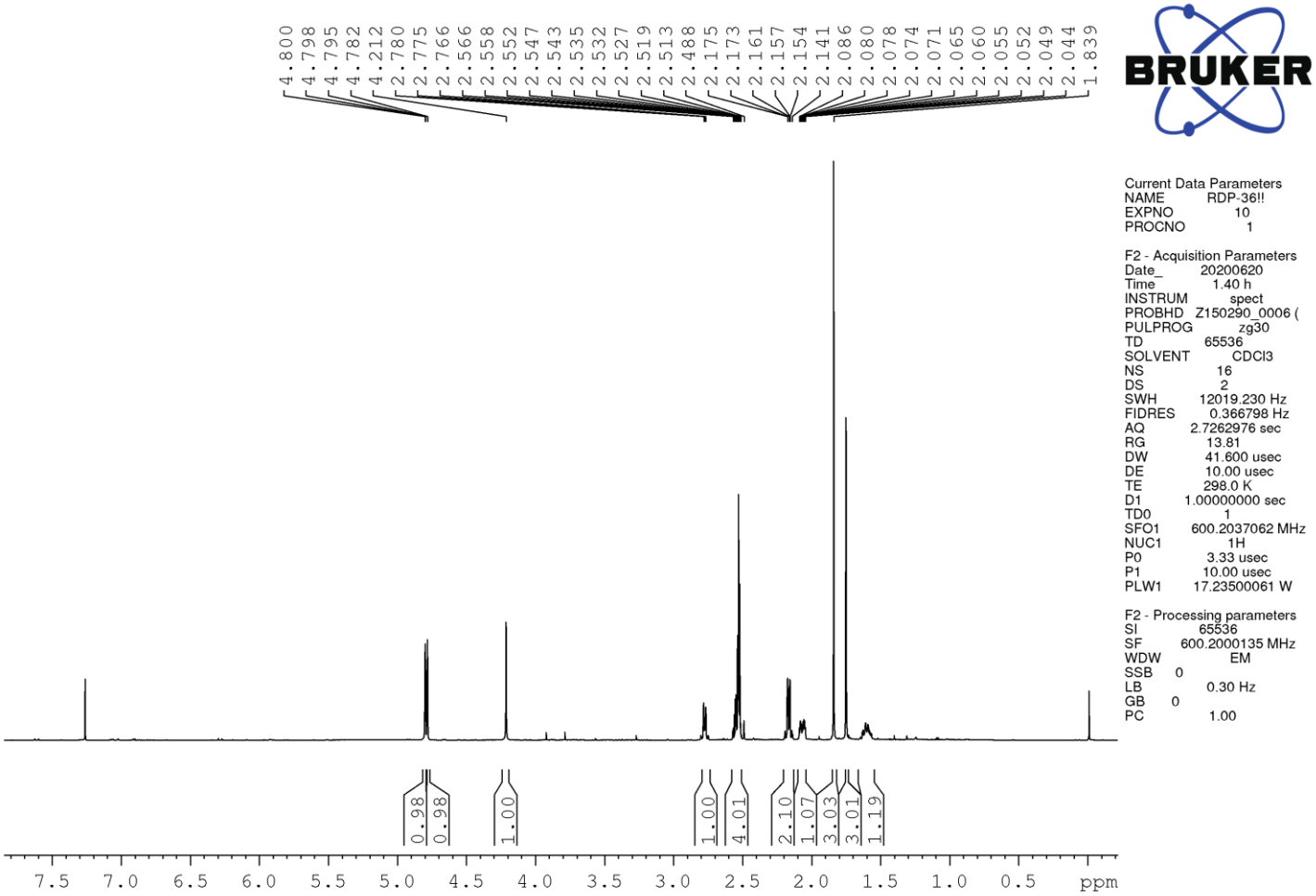


Figure S69 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **11**

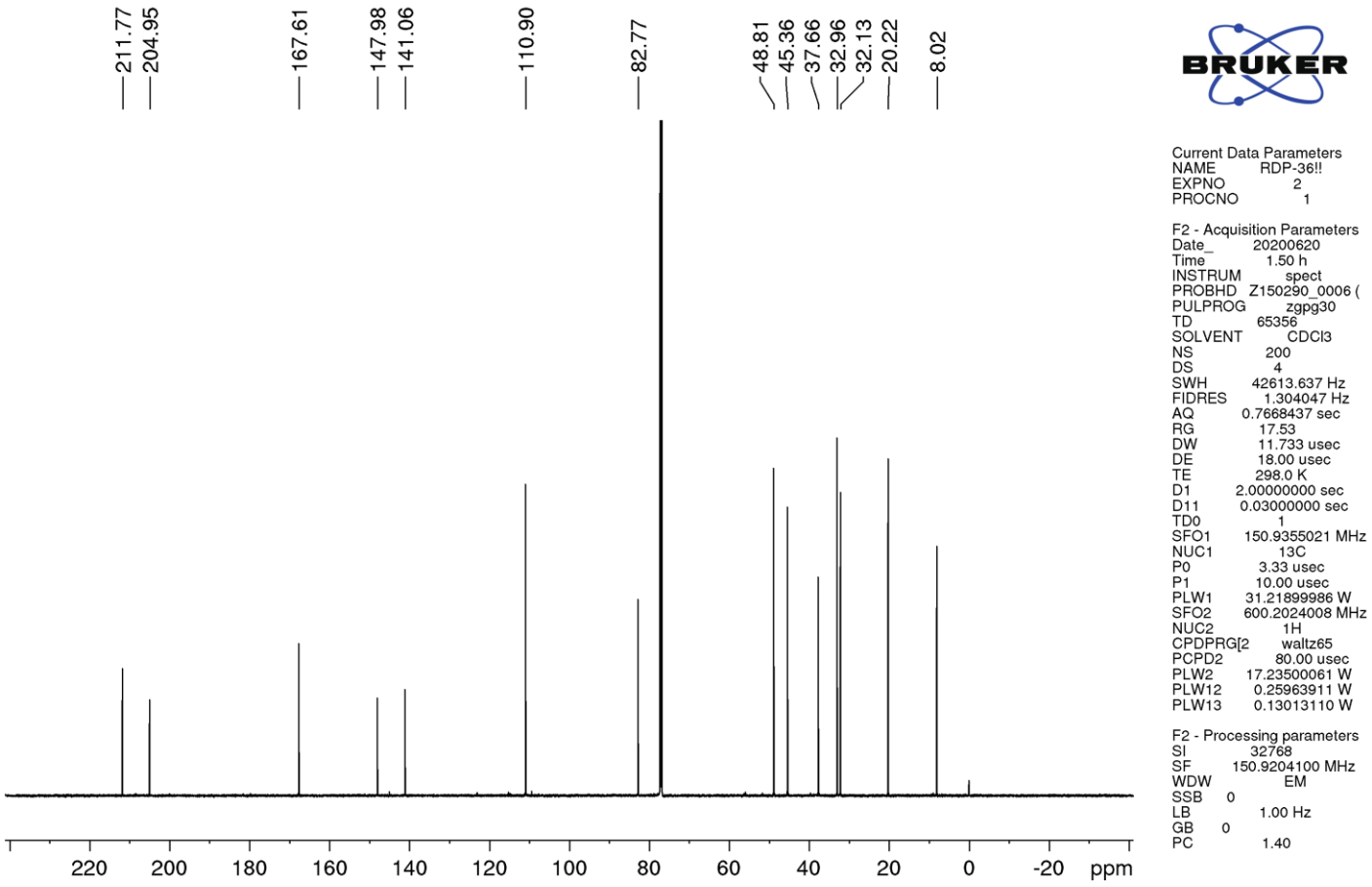
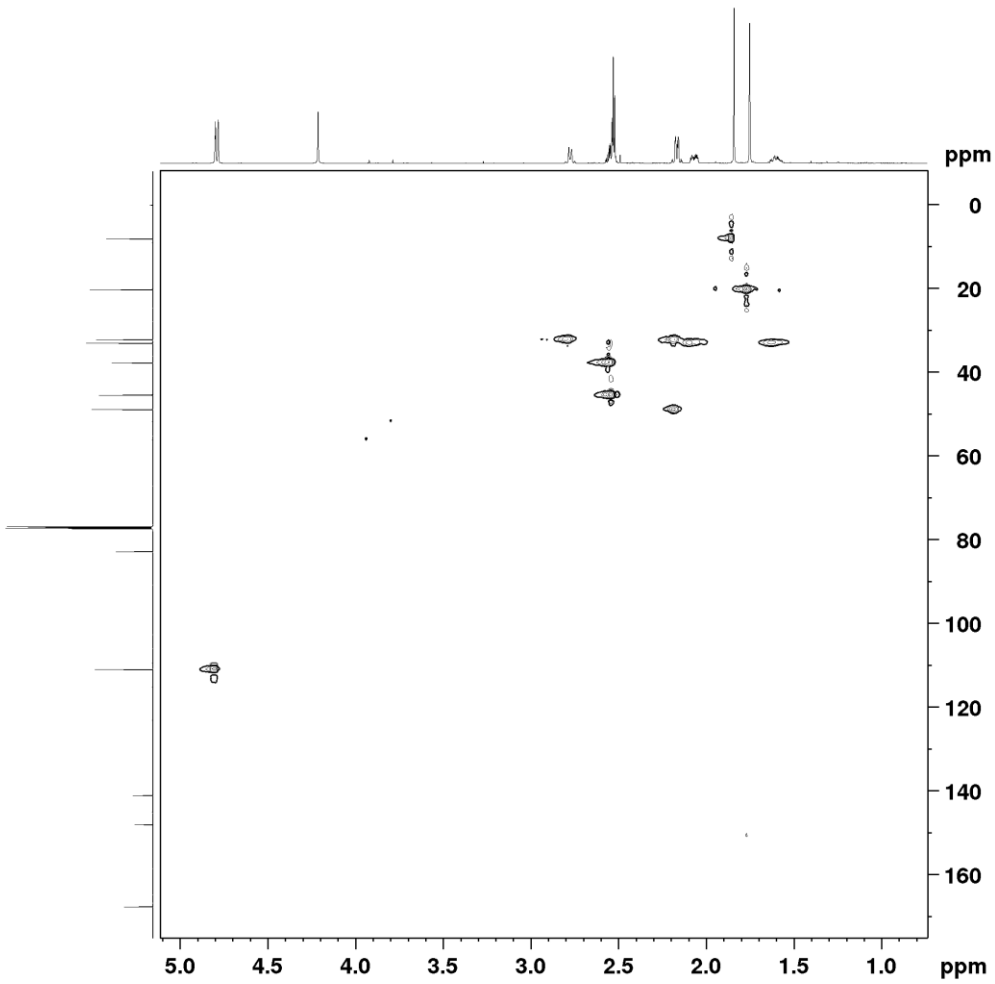
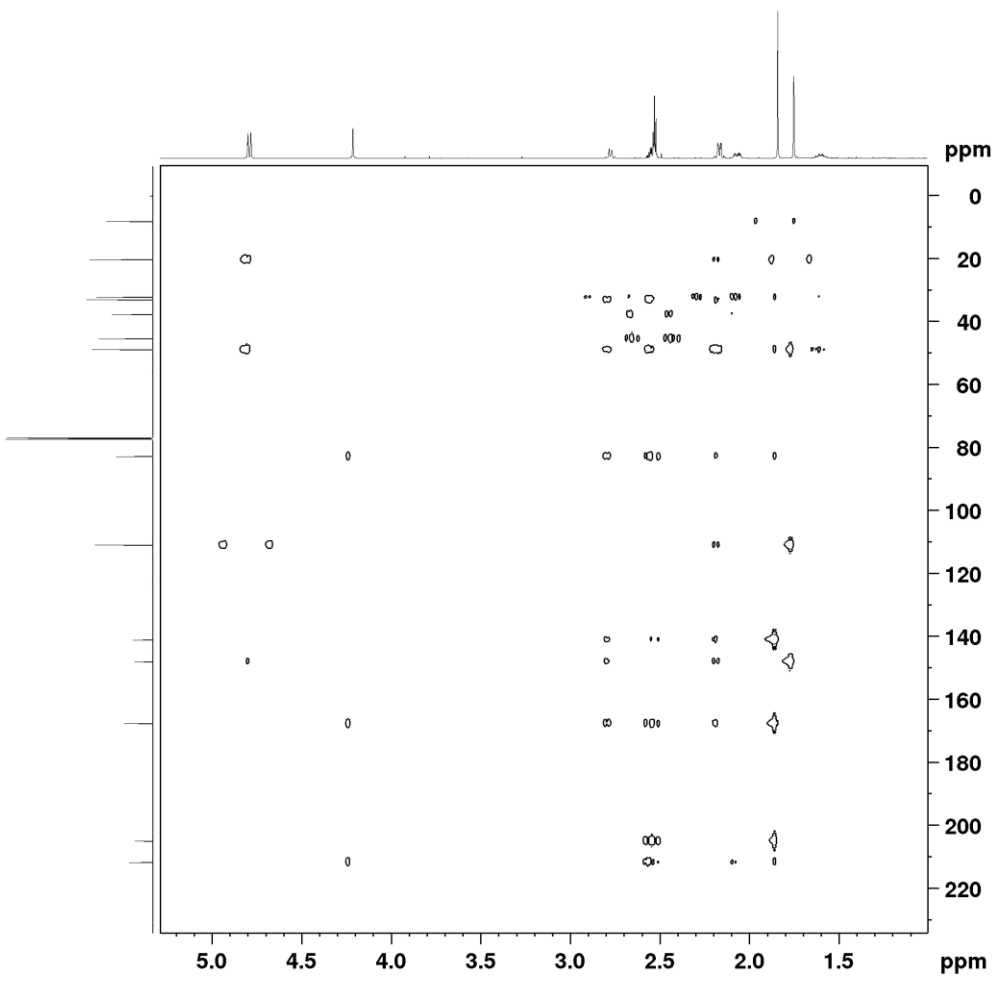


Figure S70 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **11**



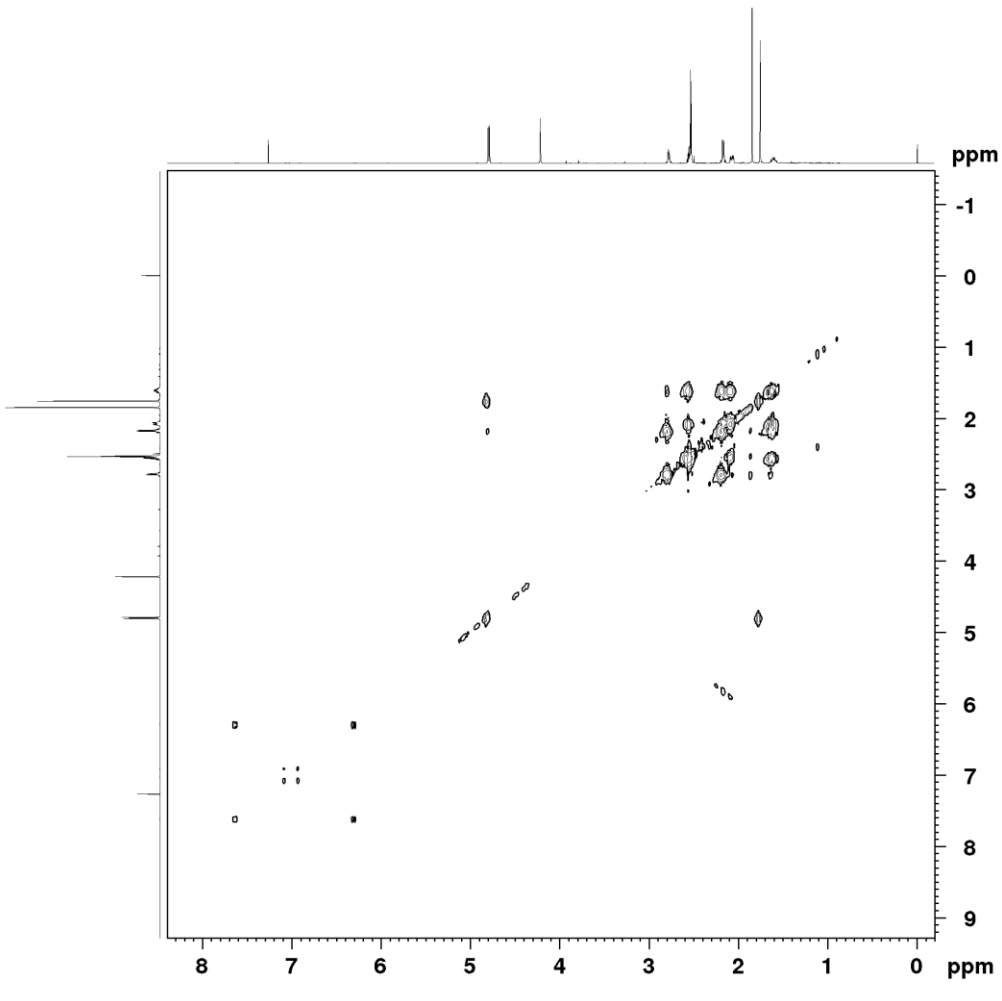

```
Current Data Parameters
NAME                 RDP-361f
EXPNO                       4
PROCNO                      1

F2 - Acquisition Parameters
Date_               20200626
Time                    7.20 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG   hsqcetgpsisp2.2
TD                       2048
SOLVENT                 CDCl3
NS                          2
DS                         16
SWH                 7211.539 Hz
FIDRES              7.042519 Hz
AQ                  0.1419947 sec
RG                     191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
CNST2              145.00000000
CNST17              -0.5000000
D0                  0.00000300 sec
D1                  1.50000000 sec
D4                  0.00172414 sec
D11                 0.03000000 sec
D16                 0.00020000 sec
D24                 0.00086200 sec
IN0                 0.00001270 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
P2                      20.00 usec
P28             0 usec
PLW1             17.23500061 W
SFO2            150.9377659 MHz
NUC2                       13C
CPDPRG[2                 garp4
P3                      10.00 usec
P14                    500.00 usec
P24                   2000.00 usec
PCPD2                   55.00 usec
PLW0            0 W
PLW2             31.21899986 W
PLW12             1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                  0.500
SPOFFS3         0 Hz
SPW3              4.76999998 W
SPNAM[7]    Crp60comp.4
SPOAL7                  0.500
SPOFFS7         0 Hz
SPW7              4.76999998 W
GPNAM[1]        SMSQ10.100
GPZ1                   80.00 %
GPNAM[2]        SMSQ10.100
GPZ2                   20.10 %
GPNAM[3]        SMSQ10.100
GPZ3                   11.00 %
GPNAM[4]        SMSQ10.100
GPZ4                   -5.00 %
P16                  1000.00 usec
P19                   600.00 usec

F1 - Acquisition parameters
TD                        256
SFO1               150.9378 MHz
FIDRES            307.578735 Hz
SW                    260.837 ppm
FnMODE       Echo-Antiecho

F2 - Processing parameters
SI                       1024
SF              600.2000000 MHz
WDW                     QSINE
SSB                         2
LB              0 Hz
GB              0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2           echo-antiecho
SF               150.9204100 MHz
WDW                     QSINE
SSB                         2
LB              0 Hz
GB              0
```

Figure S71 HSQC spectrum (600 MHz, $CDCl_3$) of compound **11**



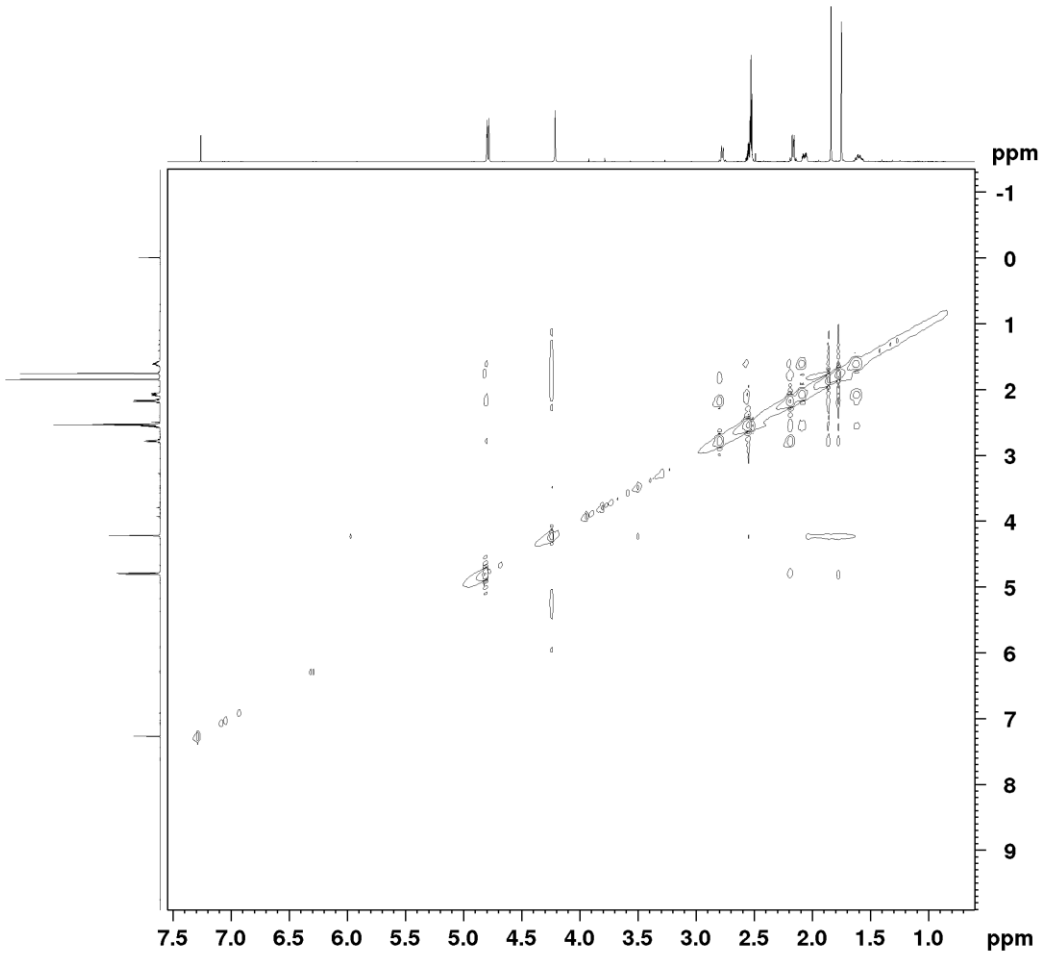

```
Current Data Parameters
NAME                  RDP-36!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200626
Time                      7.35 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                        4096
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                      191.24
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                         1
SFO1               600.2024008 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
PLW1               17.23500061 W
SFO2               150.9377659 MHz
NUC2                       13C
P3                      10.00 usec
PLW2               31.21899986 W
GPNAM[1]            SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]            SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]            SMSQ10.100
GPZ3                    40.10 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1               150.9378 MHz
FIDRES             615.157471 Hz
SW                   260.837 ppm
FnMODE                      QF

F2 - Processing parameters
SI                          4096
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                          1024
MC2                         QF
SF                 150.9204100 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S72 HMBC spectrum (600 MHz, $CDCl_3$) of compound **11**



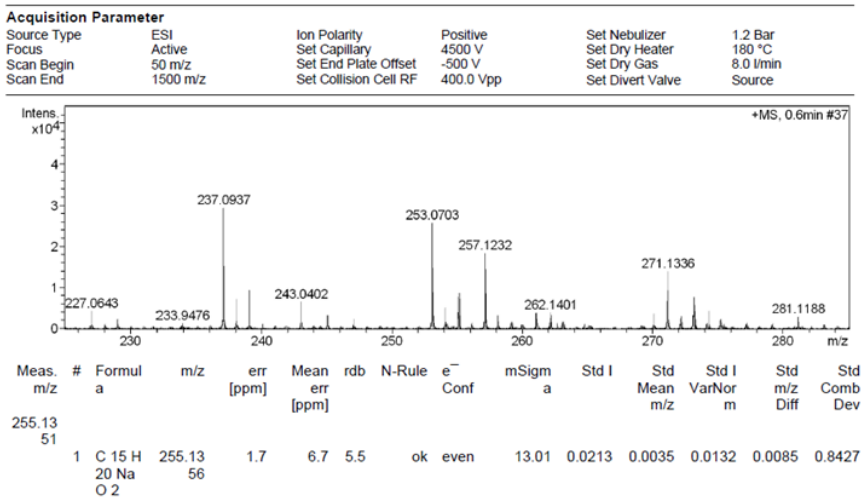

```
Current Data Parameters
NAME            RDP-36!!
EXPNO                  6
PROCNO                 1

F2 - Acquisition Parameters
Date_           20200626
Time                7.53 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                 191.24
DW                 69.333 usec
DE                 10.00 usec
TE                 298.0 K
D0              0.00000300 sec
D1              2.00000000 sec
D13             0.00000400 sec
D16             0.00020000 sec
IN0             0.00013880 sec
TDav                   1
SFO1          600.2024008 MHz
NUC1                  1H
P1                 10.00 usec
PLW1         17.23500061 W
GPNAM[1]       SMSQ10.100
GPZ1               16.00 %
GPNAM[2]       SMSQ10.100
GPZ2               12.00 %
GPNAM[3]       SMSQ10.100
GPZ3               40.00 %
P16              1000.00 usec

F1 - Acquisition parameters
TD                   128
SFO1            600.2024 MHz
FIDRES         112.572044 Hz
SW                12.004 ppm
FnMODE                QF

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  SINE
SSB         0
LB          0 Hz
GB          0
PC                   1.40

F1 - Processing parameters
SI                   1024
MC2                    QF
SF            600.2000000 MHz
WDW                  SINE
SSB         0
LB          0 Hz
GB          0
```

Figure S73 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **11**




```
Current Data Parameters
NAME                  RDP-36!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200626
Time                    8.03 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG       noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                        60.93
DW                        69.333 usec
DE                        10.00 usec
TE                       298.0 K
D0                    0.00005667 sec
D1                    2.00000000 sec
D8                    0.80000001 sec
D11                   0.03000000 sec
D12                   0.00002000 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                        10.00 usec
P2                        20.00 usec
P17                     2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]             SMSQ10.100
GPZ1                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                 600.2024 MHz
FIDRES                56.286022 Hz
SW                       12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                          1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S74 NOESY spectrum (600 MHz, $CDCl_3$) of compound **11**



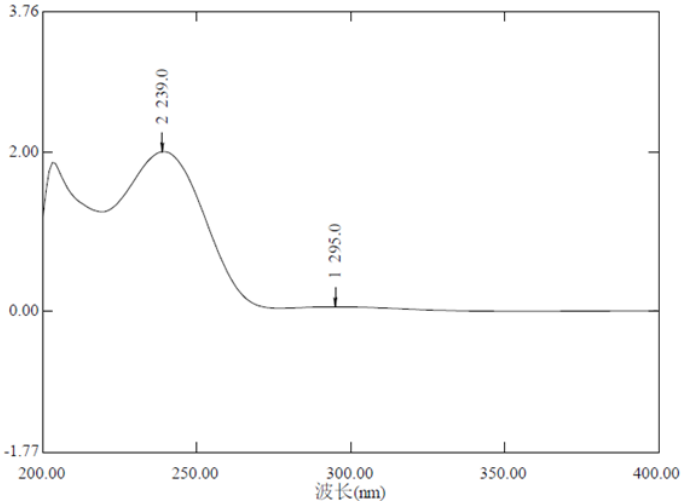


Figure S75 HRESIMS and UV spectra of compound **12**

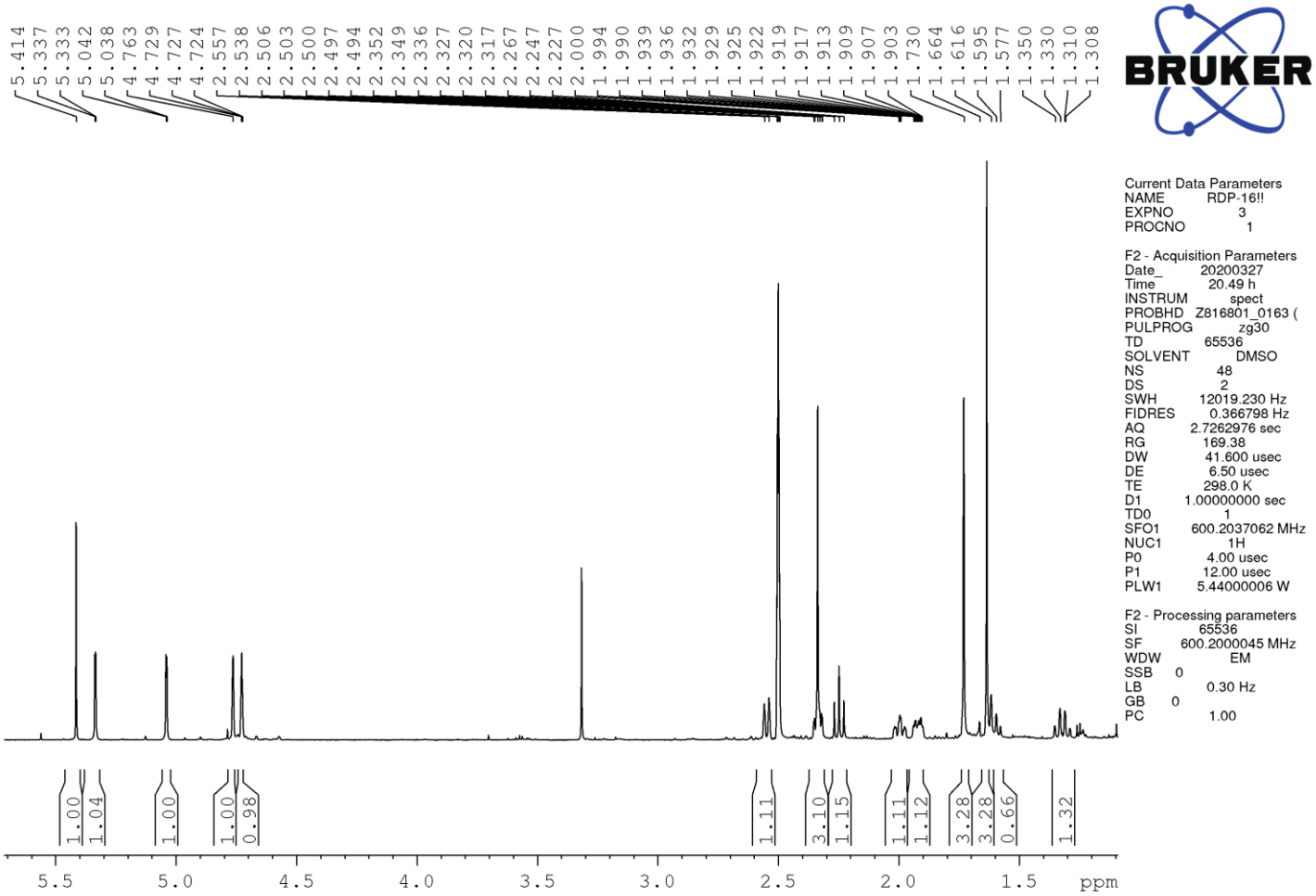


Figure S76 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **12**

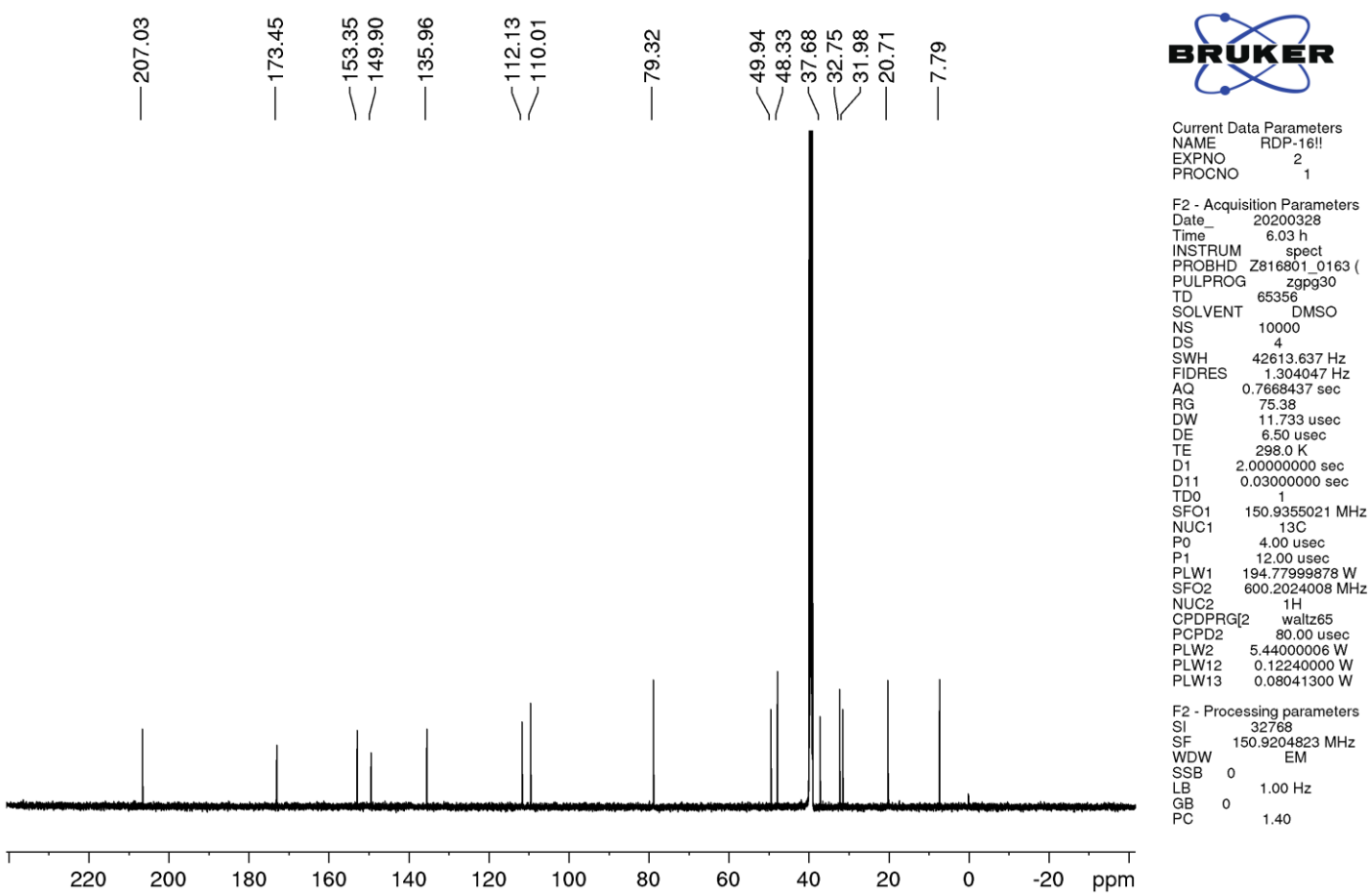
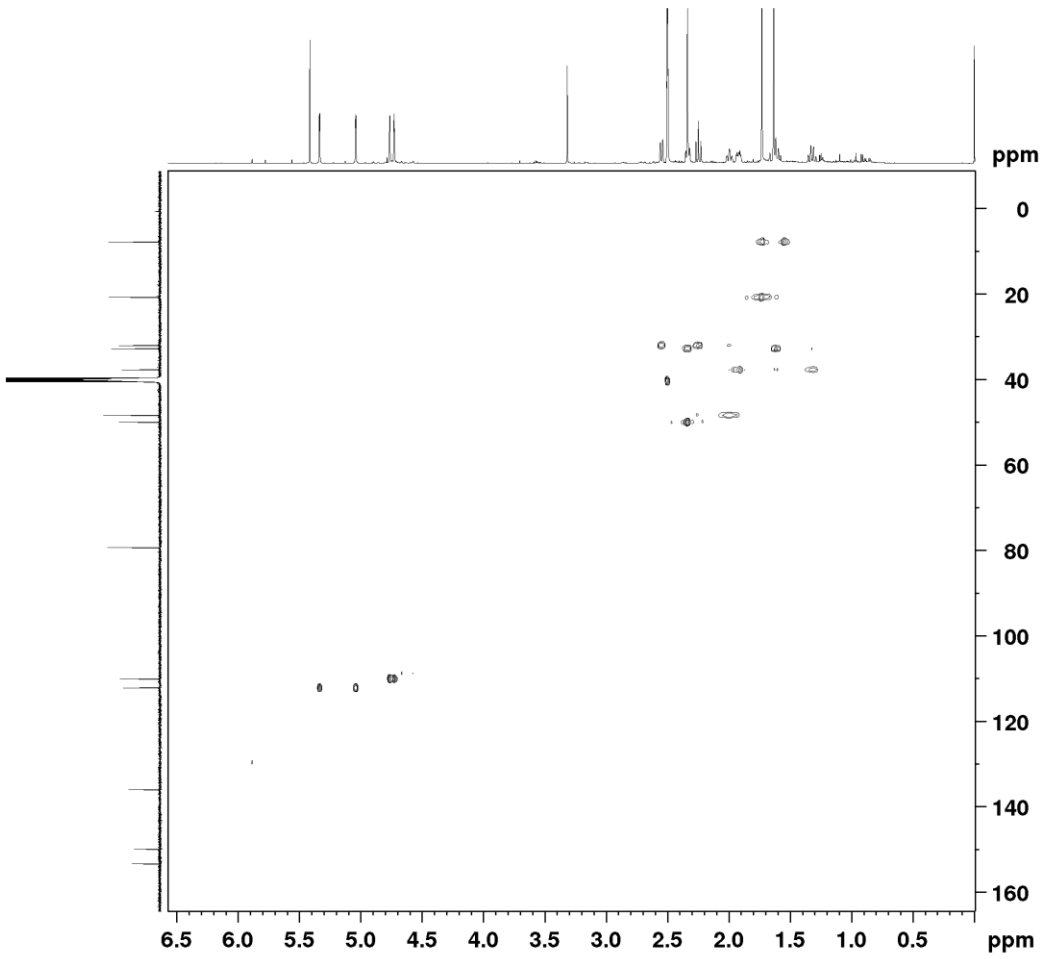


Figure S77 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **12**



Current Data Parameters
NAME RDP-161
EXPNO 4
PROCNO 1

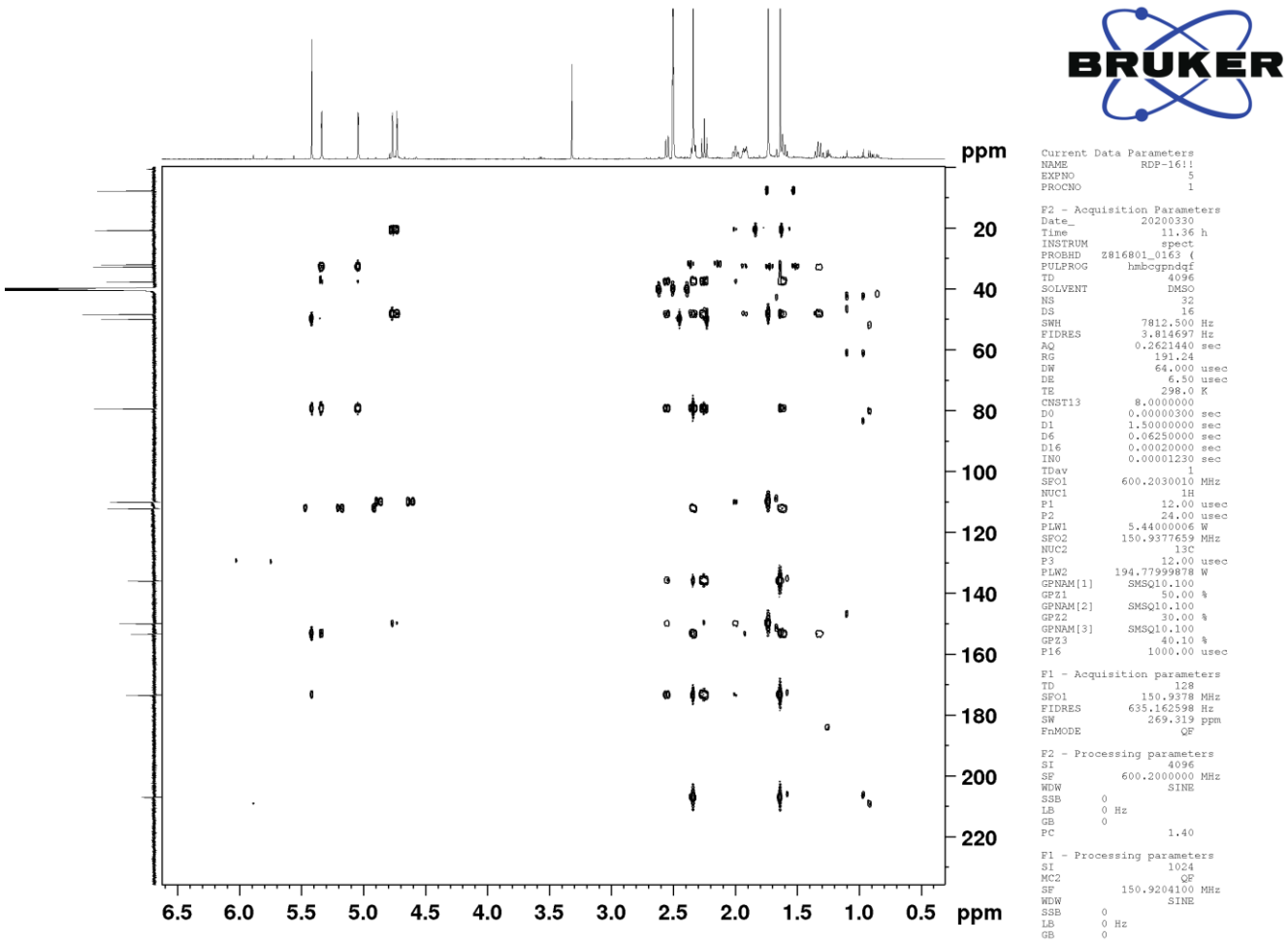
F2 - Acquisition Parameters
Date_ 20200330
Time 10.37 h
INSTRUM spect
PROBHD Z816801_0163 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT DMSO
NS 8
DS 16
SWH 7812.500 Hz
FIDRES 7.629395 Hz
AQ 0.1310720 sec
RG 191.24
DW 64.000 usec
DE 6.50 usec
TE 298.2 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001230 sec
TDav 1
SFO1 600.2030010 MHz
NUC1 1H
P1 12.00 usec
P2 24.00 usec
P28 1000.00 usec
PLW1 5.44000006 W
SFO2 150.9377659 MHz
NUC2 13C
CPDPRG[2 garp4
P3 12.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 80.00 usec
PLW0 0 W
PLW2 194.77999878 W
PLW12 4.38259983 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 42.85499954 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 42.85499954 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.9378 MHz
FIDRES 917.681299 Hz
SW 269.319 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S78 HSQC spectrum (600 MHz, $CDCl_3$) of compound **12**



Current Data Parameters
NAME RDP-16!!
EXPNO 5
PROCNO 1

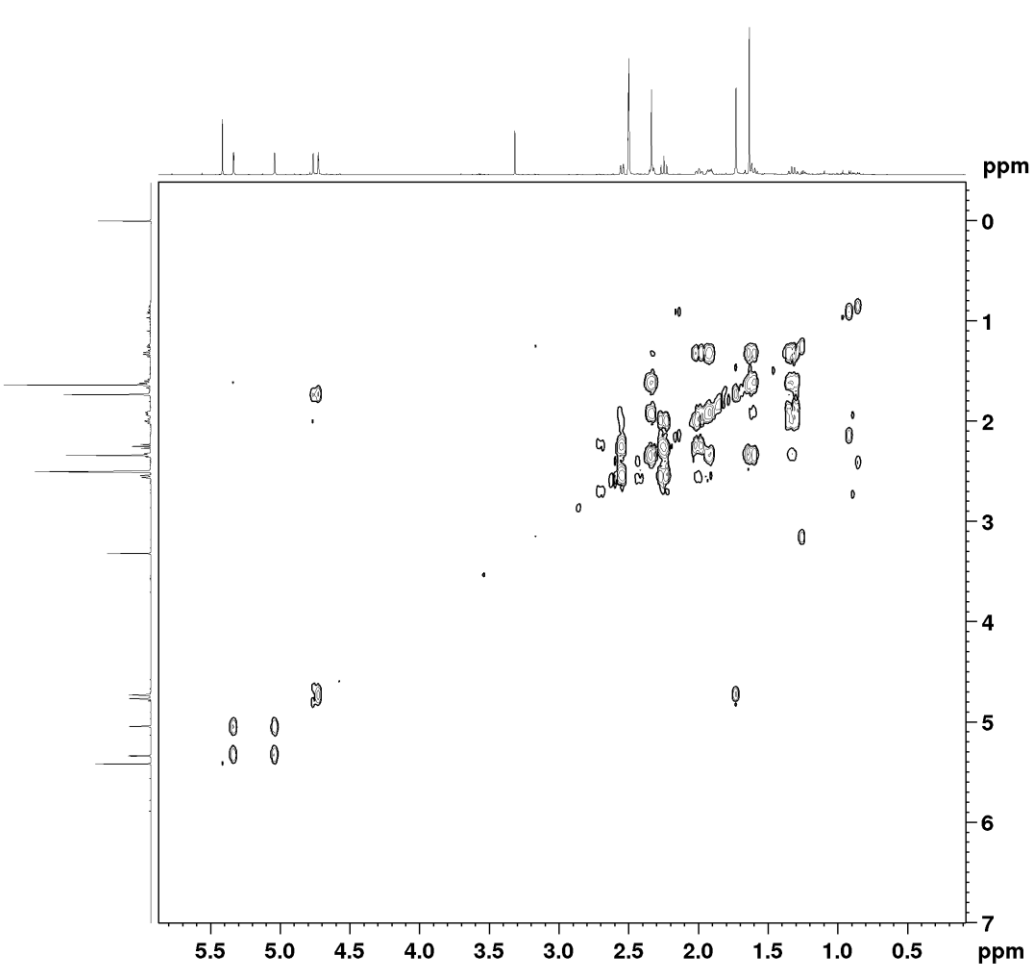
F2 - Acquisition Parameters
Date_ 20200330
Time 11.36 h
INSTRUM spect
PROBHD Z816801_0163 (
PULPROG hmbcgpndqf
TD 4096
SOLVENT DMSO
NS 32
DS 16
SWH 7812.500 Hz
FIDRES 3.814697 Hz
AQ 0.2621440 sec
RG 191.24
DW 64.000 usec
DE 6.50 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001230 sec
TDav 1
SFO1 600.2030010 MHz
NUC1 1H
P1 12.00 usec
P2 24.00 usec
PLW1 5.44000006 W
SFO2 150.9377659 MHz
NUC2 13C
P3 12.00 usec
PLW2 194.77999878 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 150.9378 MHz
FIDRES 635.162598 Hz
SW 269.319 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

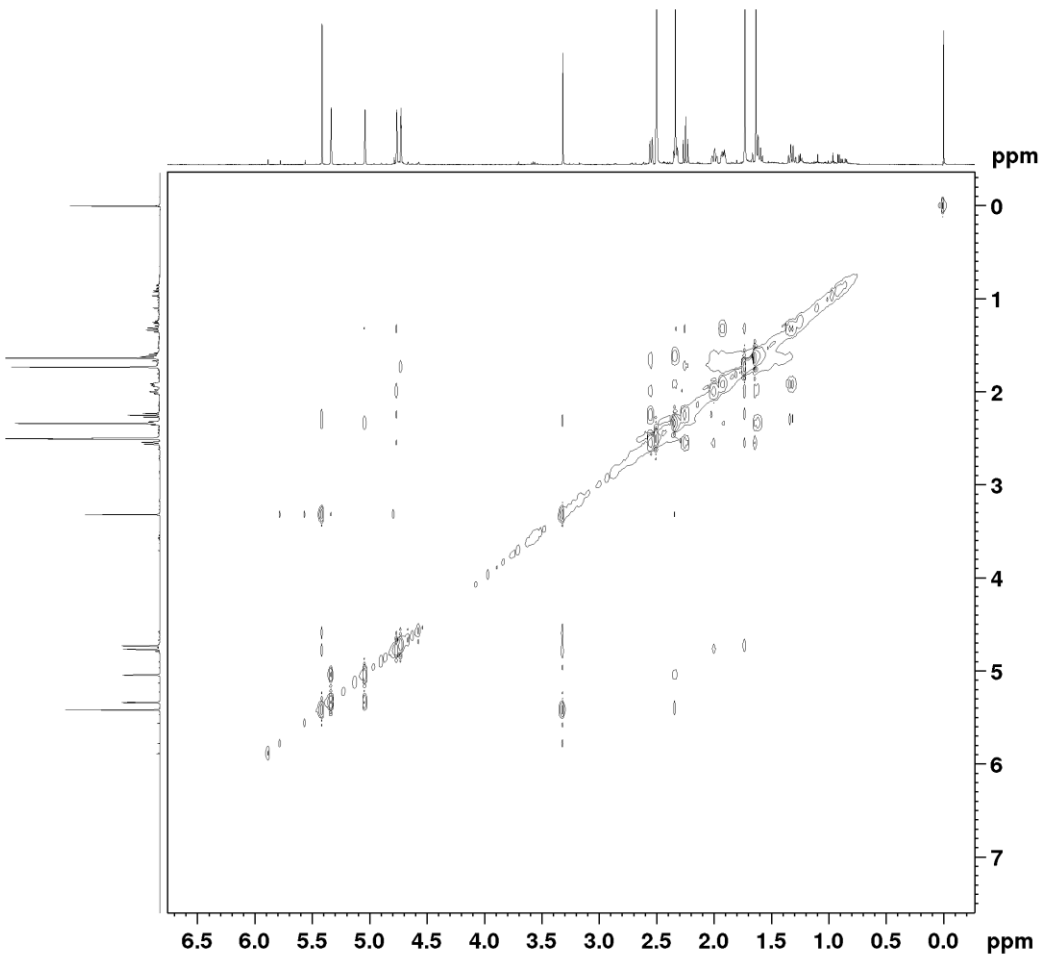
F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9204100 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S79 HMBC spectrum (600 MHz, $CDCl_3$) of compound **12**



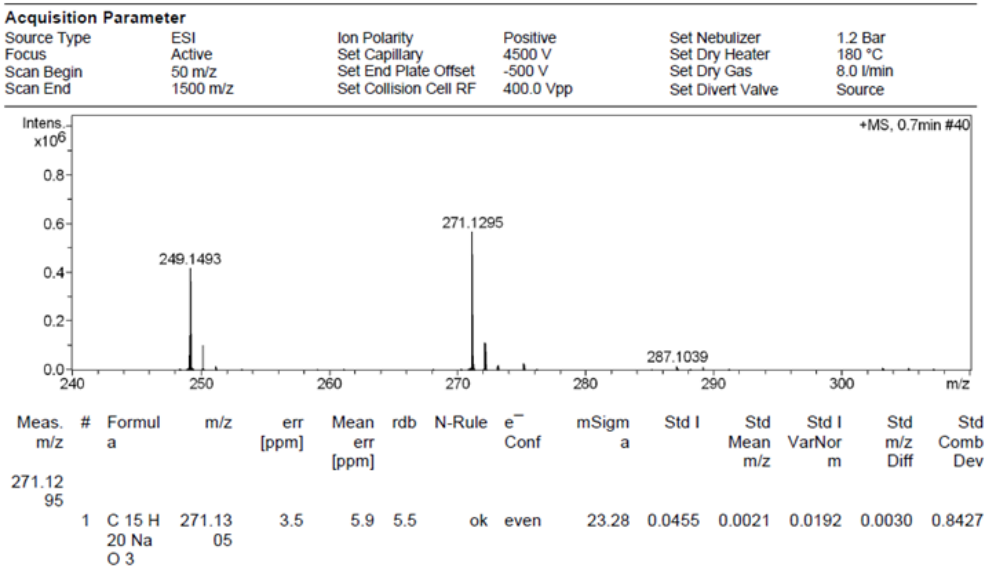

```
Current Data Parameters
NAME                  RDP-16!!
EXPNO                        6
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200330
Time                     13.42 h
INSTRUM                   spect
PROBHD    Z816801_0163 (
PULPROG              cosygpmfqf
TD                         2048
SOLVENT                  DMSO
NS                           16
DS                           16
SWH                   7812.500 Hz
FIDRES                7.629395 Hz
AQ                    0.1310720 sec
RG                       191.24
DW                       64.000 usec
DE                        6.50 usec
TE                       298.0 K
D0                    0.00000300 sec
D1                    2.00000000 sec
D13                   0.00000400 sec
D16                   0.00020000 sec
IN0                   0.00012800 sec
TDav                         1
SFO1                600.2030010 MHz
NUC1                        1H
P1                       12.00 usec
PLW1                 5.44000006 W
GPNAM[1]              SMSQ10.100
GPZ1                     16.00 %
GPNAM[2]              SMSQ10.100
GPZ2                     12.00 %
GPNAM[3]              SMSQ10.100
GPZ3                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                  600.203 MHz
FIDRES               122.070313 Hz
SW                       13.016 ppm
FnMODE                       QF

F2 - Processing parameters
SI                          1024
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                          1024
MC2                          QF
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S80 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **12**




```
Current Data Parameters
NAME                  RDP-16!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200330
Time                    14.57 h
INSTRUM                 spect
PROBHD    Z816801_0163 (
PULPROG      noesygpphpp
TD                       2048
SOLVENT                  DMSO
NS                         16
DS                         16
SWH                  7812.500 Hz
FIDRES               7.629395 Hz
AQ                   0.1310720 sec
RG                      191.24
DW                      64.000 usec
DE                        6.50 usec
TE                      298.0 K
D0                   0.00004882 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00012820 sec
TDav                         1
SFO1                600.2030010 MHz
NUC1                        1H
P1                      12.00 usec
P2                      24.00 usec
P17                   2500.00 usec
PLW1                 5.44000006 W
PLW10                1.25339997 W
GPNAM[1]             SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                    600.203 MHz
FIDRES                60.939938 Hz
SW                       12.996 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        QSINE
SSB                            2
LB                0 Hz
GB                0
PC                         1.00

F1 - Processing parameters
SI                          1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                        QSINE
SSB                            2
LB                0 Hz
GB                0
```

Figure S81 NOESY spectrum (600 MHz, $CDCl_3$) of compound **12**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
271.1295	1	C 15 H 20 Na O 3	271.1305	3.5	5.9	5.5	ok	even	23.28	0.0455	0.0021	0.0192	0.0030	0.8427

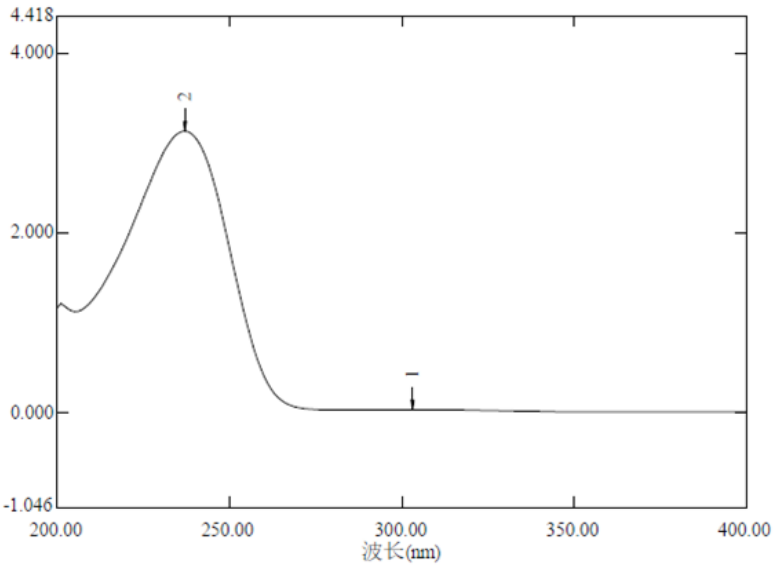


Figure S82 HRESIMS and UV spectra of compound **13**

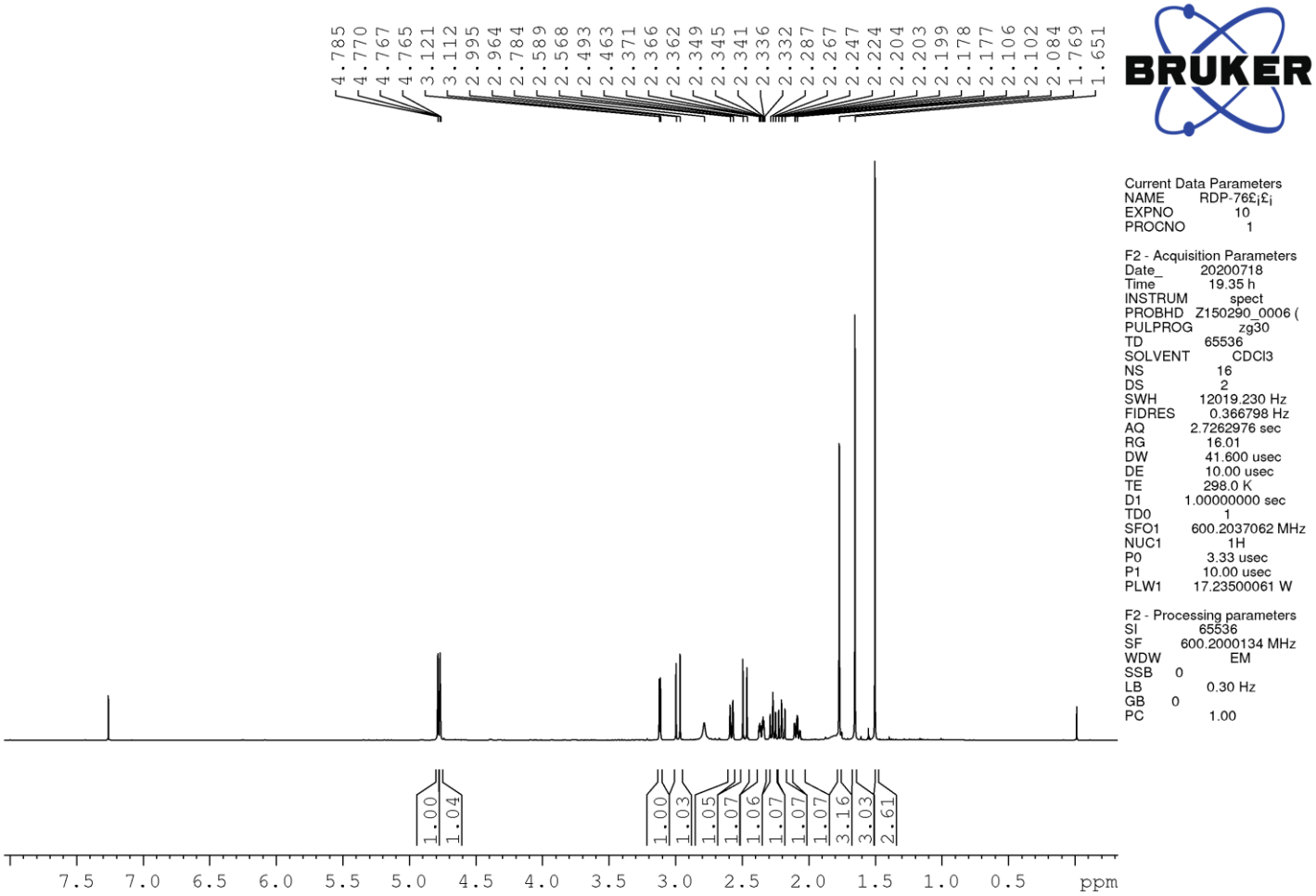


Figure S83 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **13**

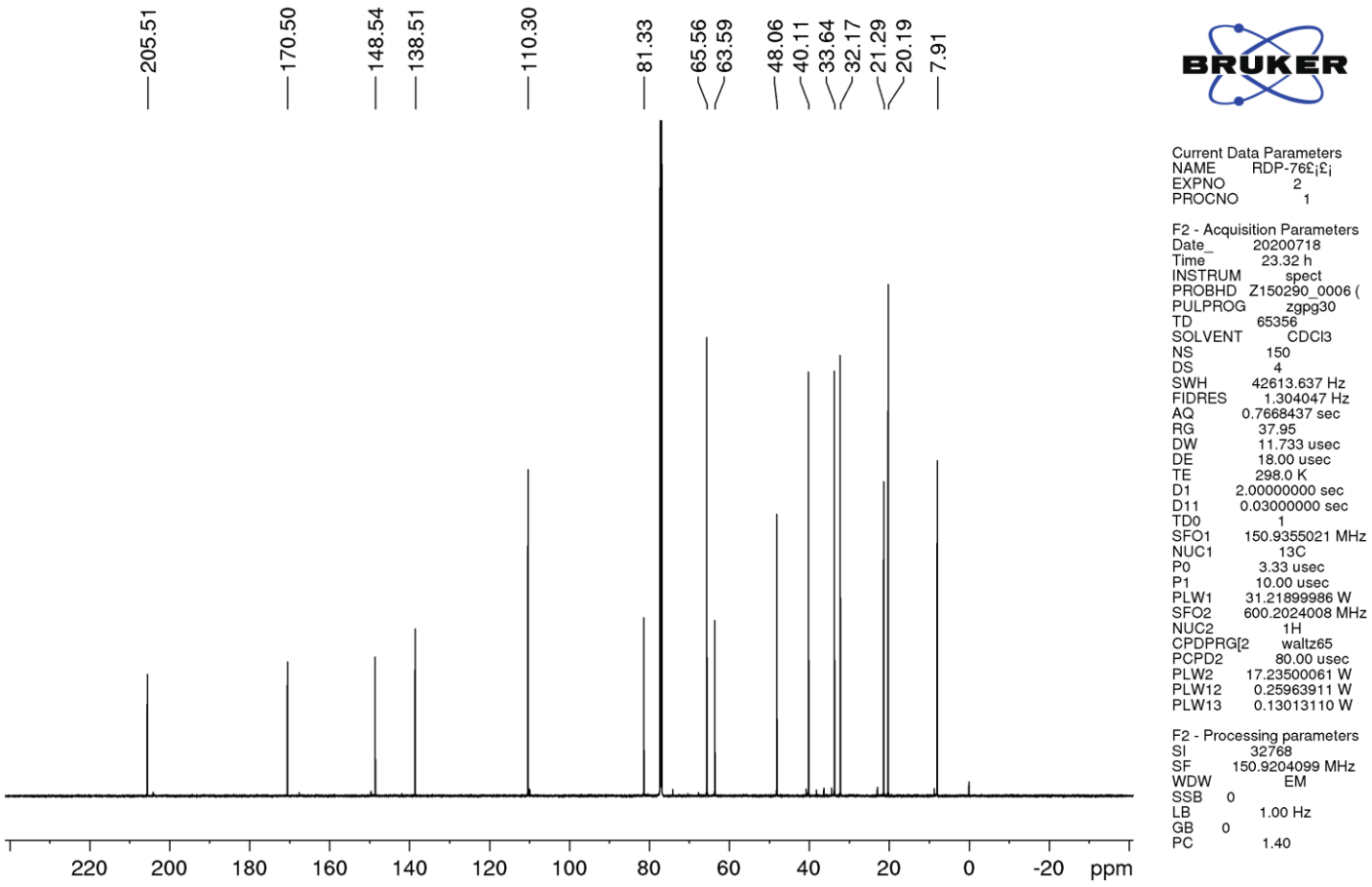
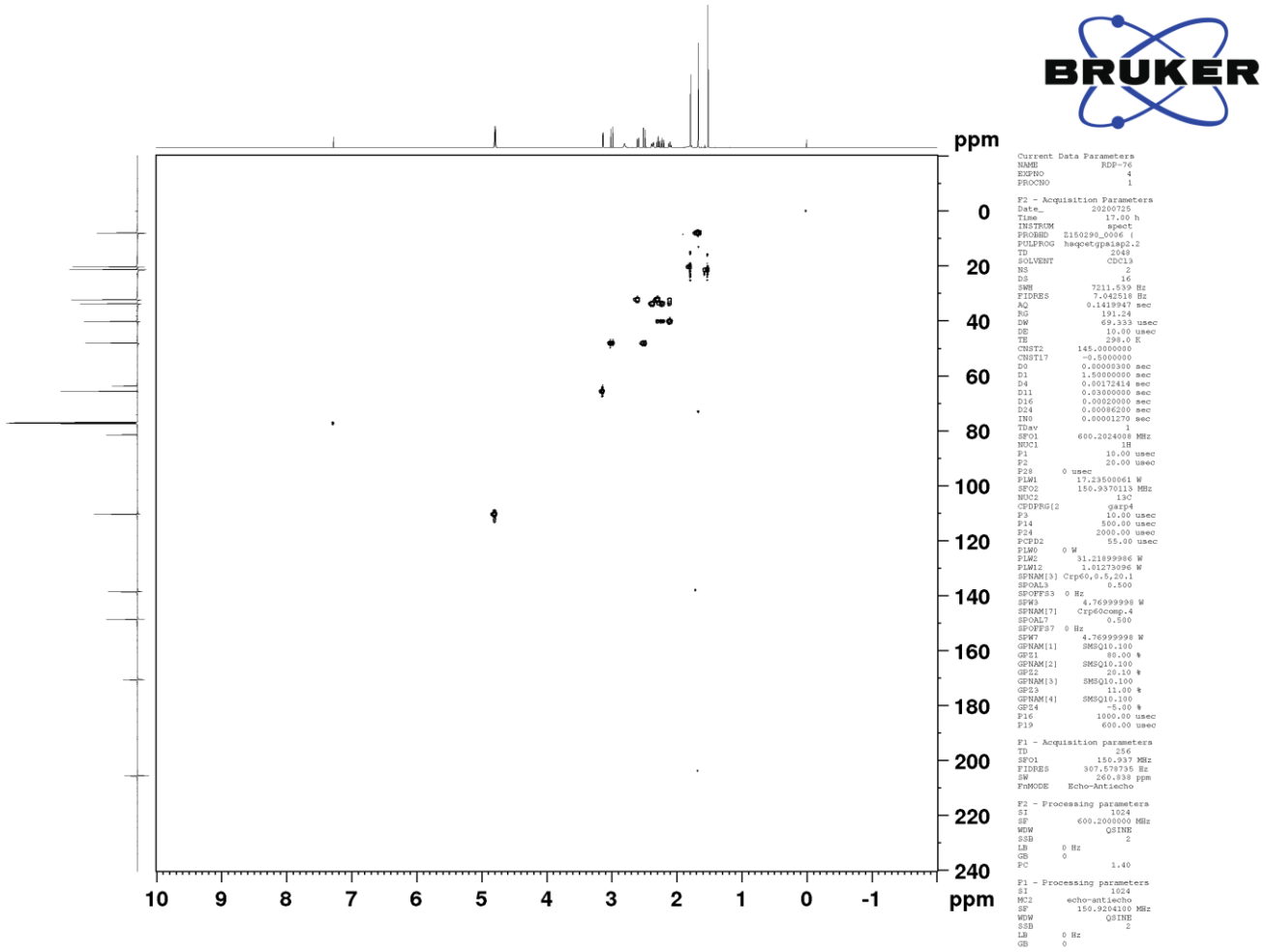


Figure S84 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **13**



Current Data Parameters
NAME RDP-76
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200725
Time 17.00 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.937 MHz
FIDRES 307.678795 Hz
SW 260.838 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S85 HSQC spectrum (600 MHz, $CDCl_3$) of compound **13**

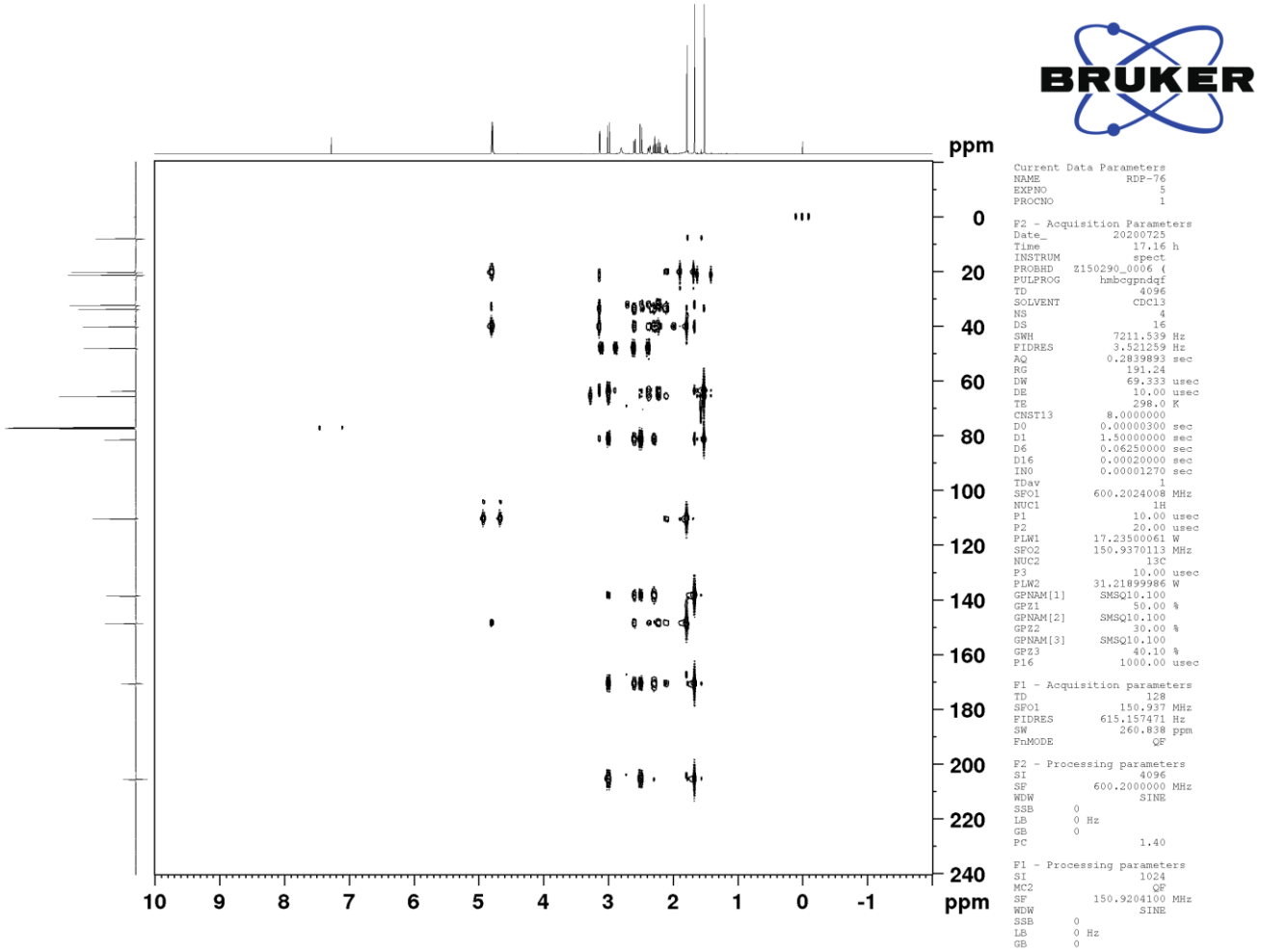
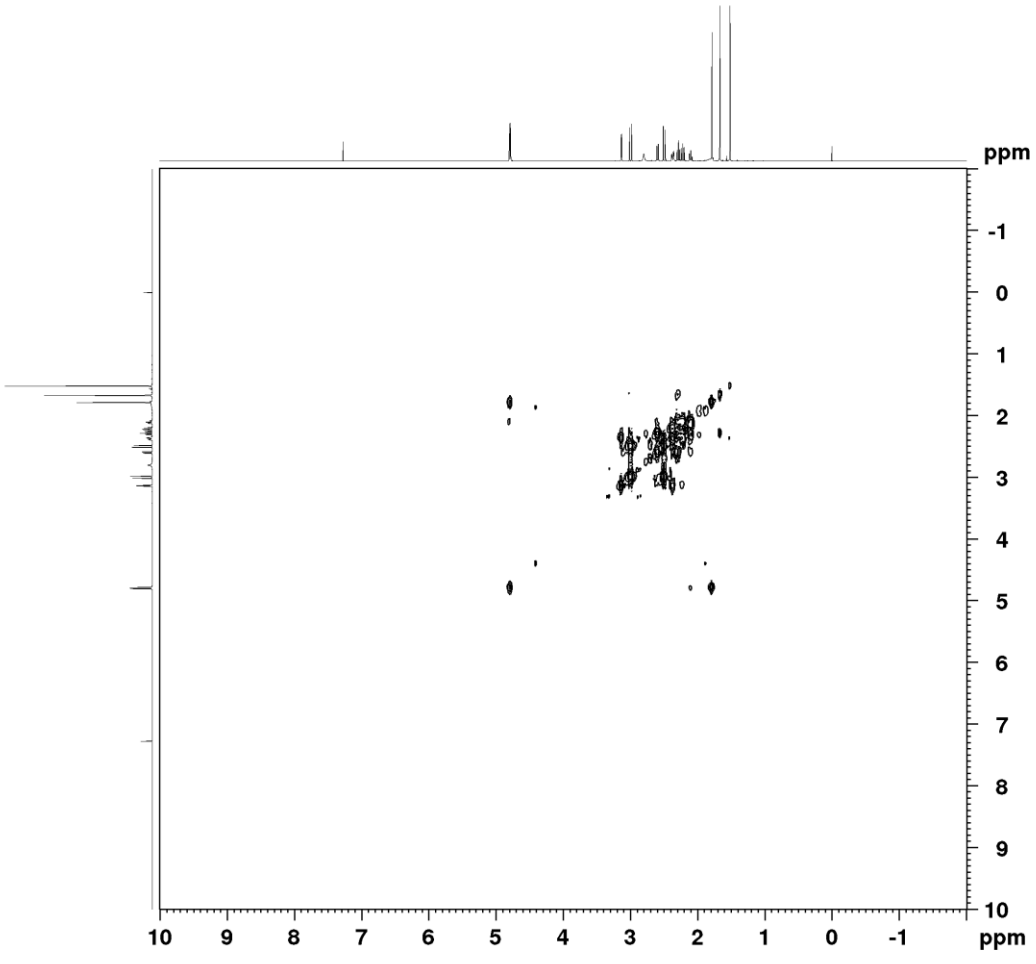


Figure S86 HMBC spectrum (600 MHz, $CDCl_3$) of compound **13**



Current Data Parameters
NAME RDP-76
EXPNO 6
PROCNO 1

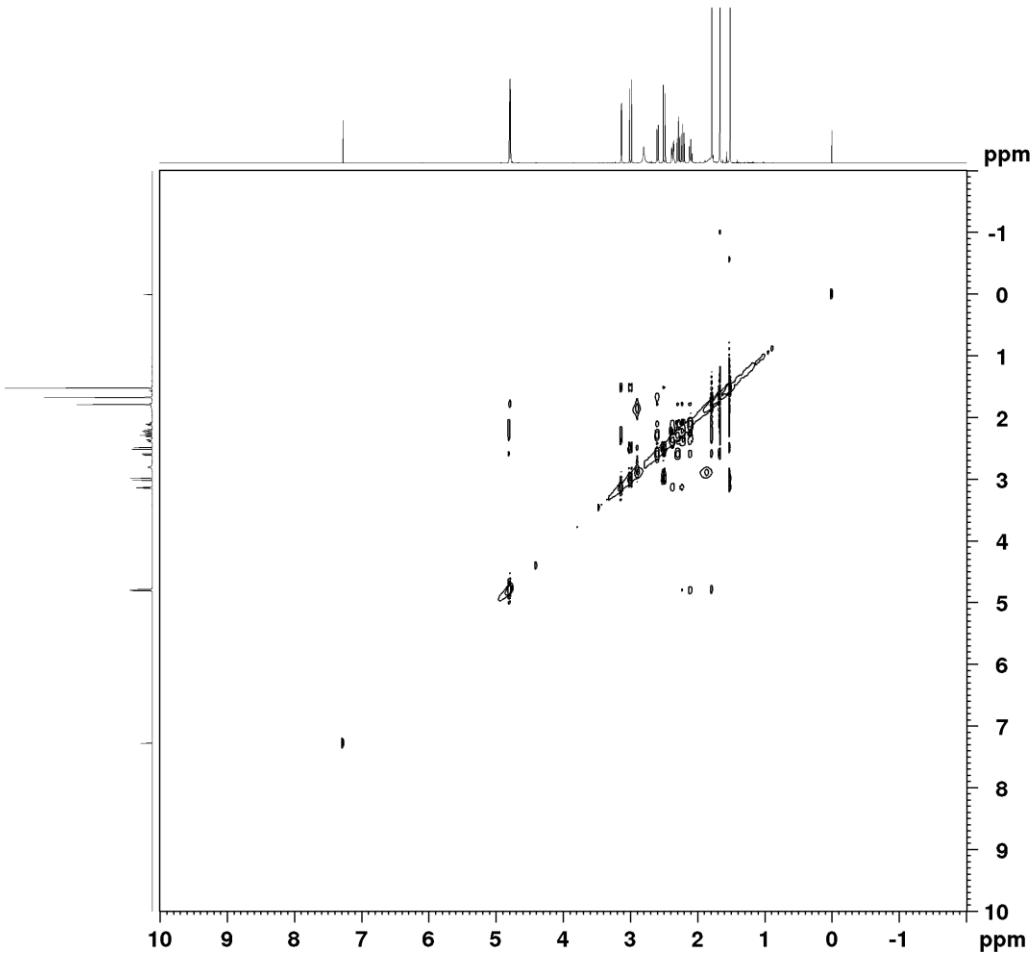
F2 - Acquisition Parameters
Date_ 20200725
Time 18.00 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
PLW1 17.23500061 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 112.572044 Hz
SW 12.004 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S87 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **13**



Current Data Parameters
NAME RDP-76
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200725
Time 17.33 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG noesygpphpp
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 35.36
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00005667 sec
D1 2.00000000 sec
D8 0.80000001 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P17 2500.00 usec
PLW1 17.23500061 W
PLW10 2.75760007 W
GPNAM[1] SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 600.2024 MHz
FIDRES 56.286022 Hz
SW 12.004 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S88 NOESY spectrum (600 MHz, $CDCl_3$) of compound **13**

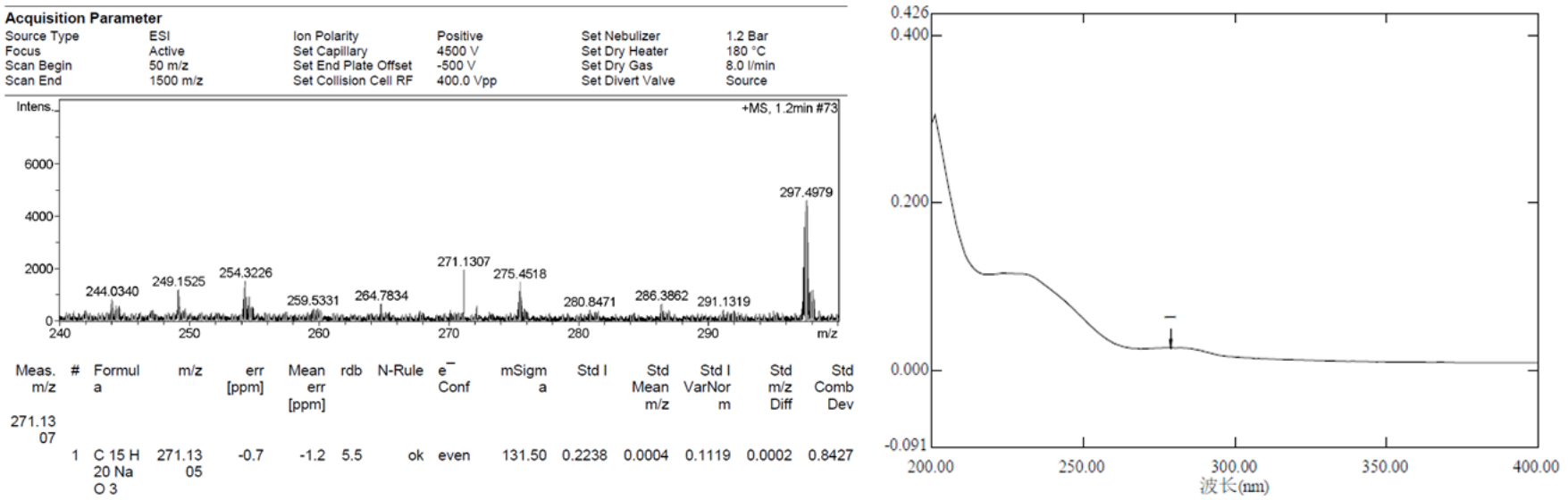


Figure S89 HRESIMS and UV spectra of compound **14**

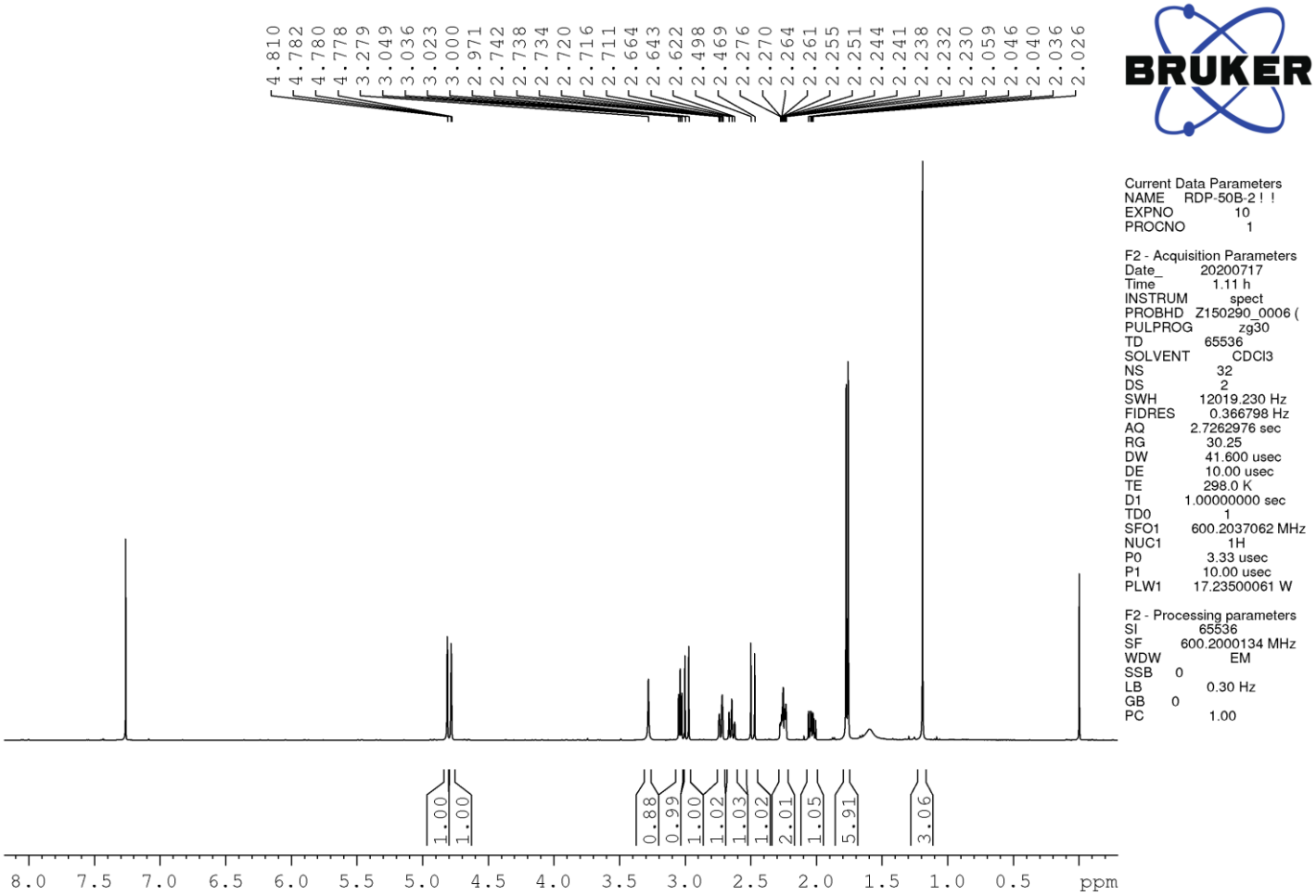


Figure S90 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **14**

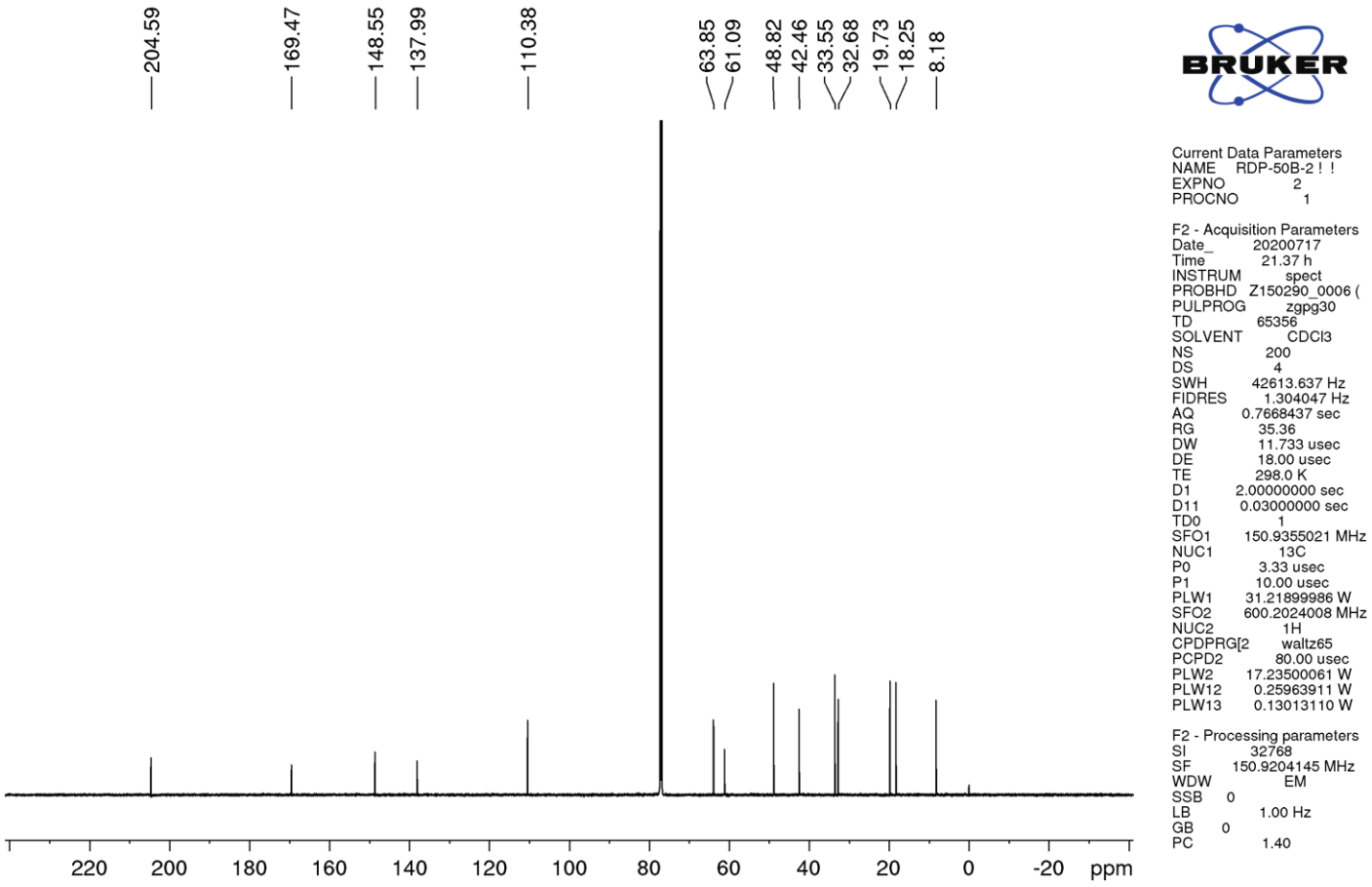
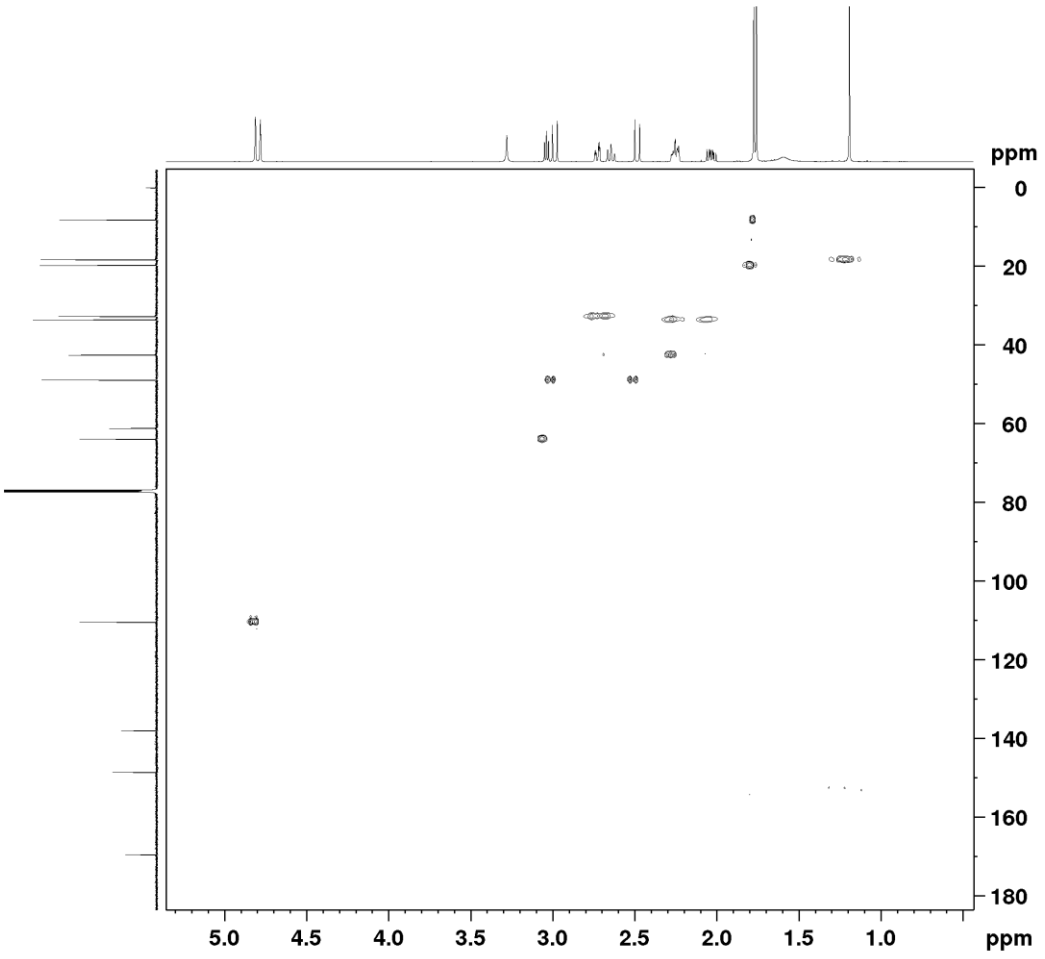
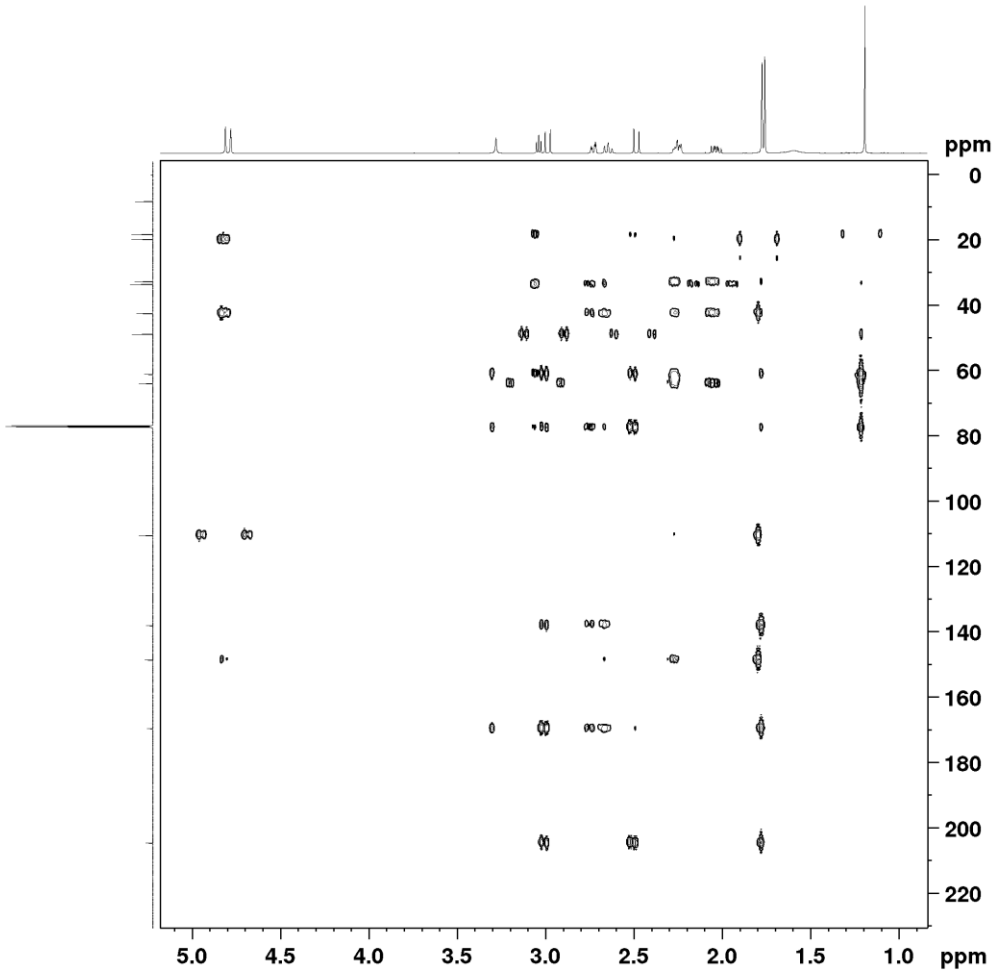


Figure S91 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **14**



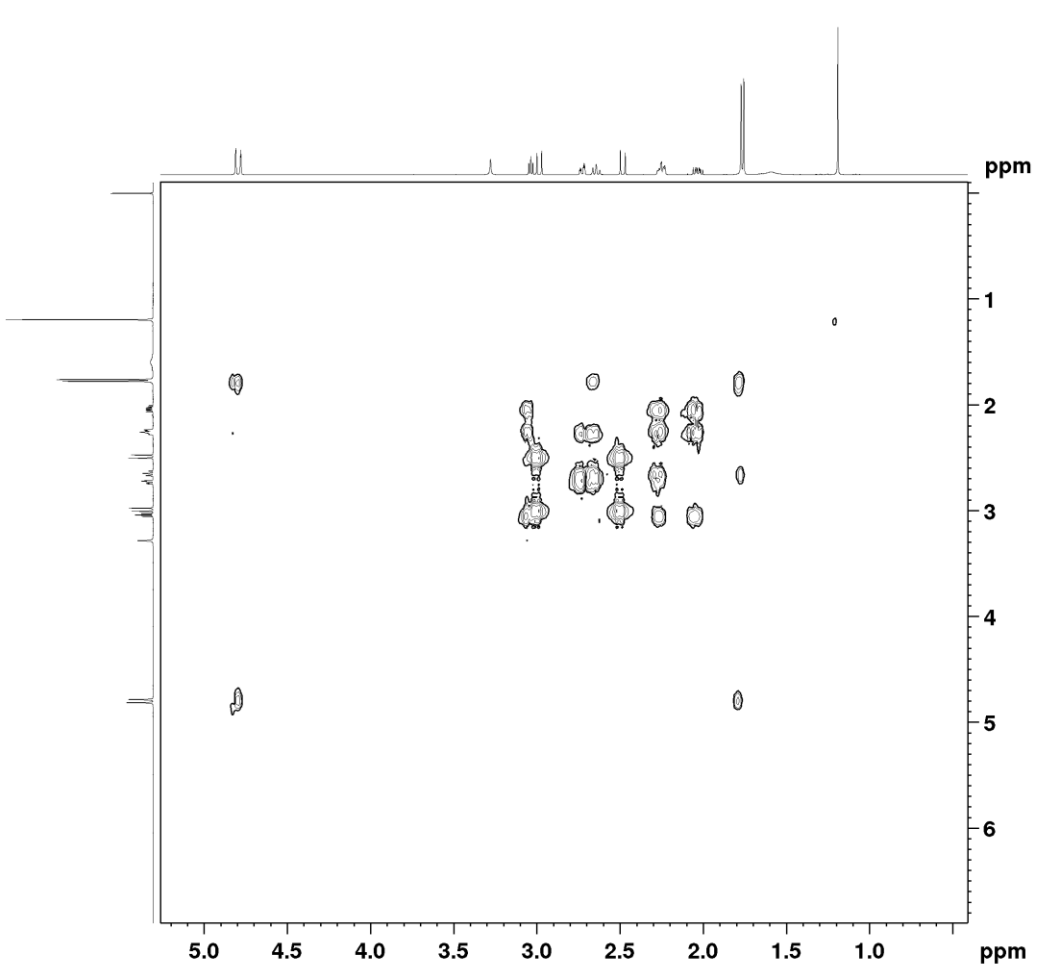

```
Current Data Parameters
NAME      RDP-50B-2
EXPNO             4
PROCNO            1

F2 - Acquisition Parameters
Date_        20200718
Time             19.47 h
INSTRUM            spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpaisp2.2
TD               2048
SOLVENT          CDCl3
NS                  2
DS                 16
SWH          7211.539 Hz
FIDRES       7.042518 Hz
AQ           0.1419947 sec
RG               191.24
DW              69.333 usec
DE              10.00 usec
TE              298.0 K
CNST2       145.0000000
CNST17       -0.5000000
D0           0.00000300 sec
D1           1.50000000 sec
D4           0.00172414 sec
D11          0.03000000 sec
D16          0.00020000 sec
D24          0.00086200 sec
IN0          0.00001230 sec
TDav                1
SFO1        600.2024008 MHz
NUC1                1H
P1                10.00 usec
P2                20.00 usec
P28      0 usec
PLW1        17.23500061 W
SFO2       150.9377659 MHz
NUC2               13C
CPDPRG[2           garp4
P3                10.00 usec
P14              500.00 usec
P24             2000.00 usec
PCPD2             55.00 usec
PLW0     0 W
PLW2        31.21899986 W
PLW12        1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3            0.500
SPOFFS3  0 Hz
SPW3         4.76999998 W
SPNAM[7]    Crp60comp.4
SPOAL7            0.500
SPOFFS7  0 Hz
SPW7         4.76999998 W
GPNAM[1]     SMSQ10.100
GPZ1              80.00 %
GPNAM[2]     SMSQ10.100
GPZ2              20.10 %
GPNAM[3]     SMSQ10.100
GPZ3              11.00 %
GPNAM[4]     SMSQ10.100
GPZ4              -5.00 %
P16             1000.00 usec
P19              600.00 usec

F1 - Acquisition parameters
TD                 256
SFO1        150.9378 MHz
FIDRES      917.681299 Hz
SW          269.319 ppm
FnMODE    Echo-Antiecho

F2 - Processing parameters
SI                1024
SF          600.2000000 MHz
WDW               QSINE
SSB                  2
LB       0 Hz
GB       0
PC                1.40

F1 - Processing parameters
SI                1024
MC2       echo-antiecho
SF          150.9204100 MHz
WDW               QSINE
SSB                  2
LB       0 Hz
GB       0
```

Figure S92 HSQC spectrum (600 MHz, $CDCl_3$) of compound **14**



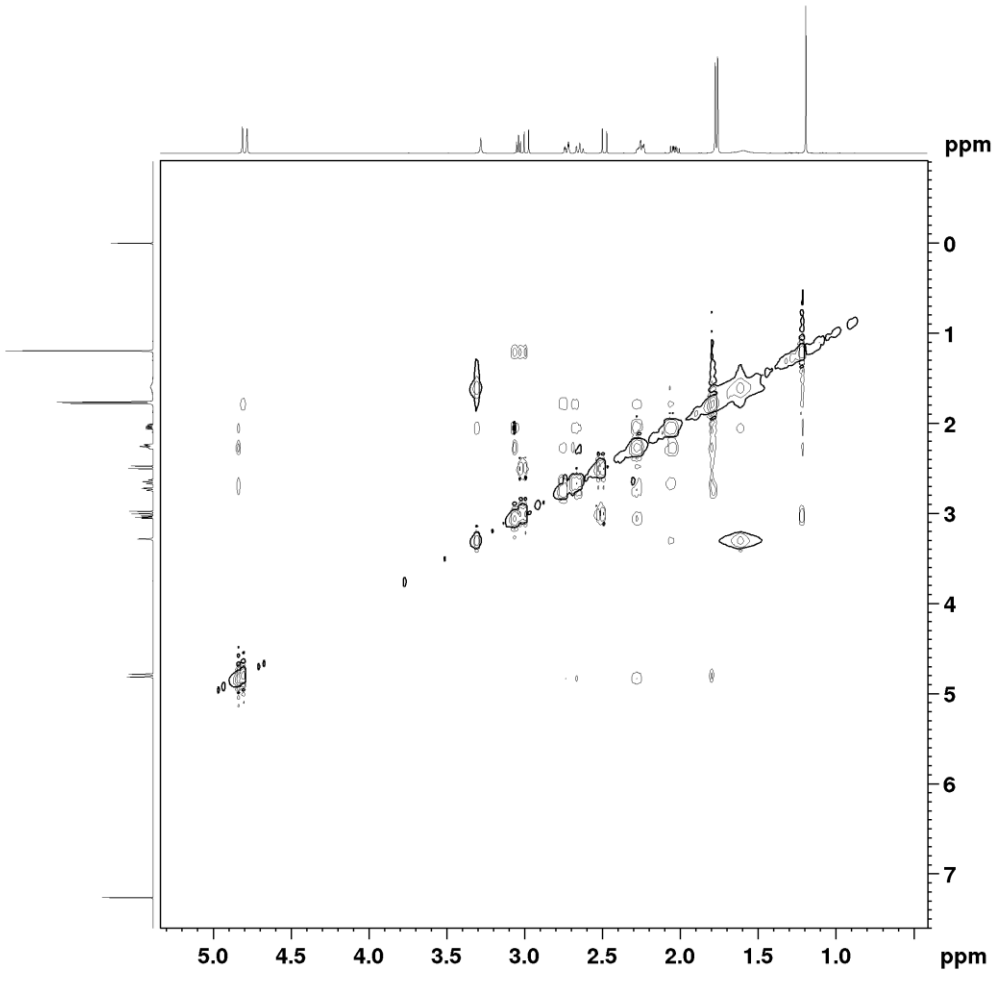

```
Current Data Parameters
NAME      RDP-50B-2 !  !
EXPNO                5
PROCNO               1

F2 - Acquisition Parameters
Date_         20200718
Time              20.03 h
INSTRUM            spect
PROBHD   Z150290_0006 (
PULPROG      hmbcgpndqf
TD                 4096
SOLVENT            CDCl3
NS                    4
DS                   16
SWH           7211.539 Hz
FIDRES        3.521259 Hz
AQ            0.2839893 sec
RG               191.24
DW               69.333 usec
DE               10.00 usec
TE               298.0 K
CNST13         8.0000000
D0            0.00000300 sec
D1            1.50000000 sec
D6            0.06250000 sec
D16           0.00020000 sec
IN0           0.00001230 sec
TDav                  1
SFO1         600.2024008 MHz
NUC1                 1H
P1                10.00 usec
P2                20.00 usec
PLW1         17.23500061 W
SFO2         150.9377659 MHz
NUC2                13C
P3                10.00 usec
PLW2         31.21899986 W
GPNAM[1]      SMSQ10.100
GPZ1                50.00 %
GPNAM[2]      SMSQ10.100
GPZ2                30.00 %
GPNAM[3]      SMSQ10.100
GPZ3                40.10 %
P16               1000.00 usec

F1 - Acquisition parameters
TD                   128
SFO1          150.9378 MHz
FIDRES        635.162598 Hz
SW               269.319 ppm
FnMODE                QF

F2 - Processing parameters
SI                 4096
SF          600.2000000 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
PC                 1.40

F1 - Processing parameters
SI                 1024
MC2                  QF
SF          150.9204100 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S93 HMBC spectrum (600 MHz, $CDCl_3$) of compound **14**



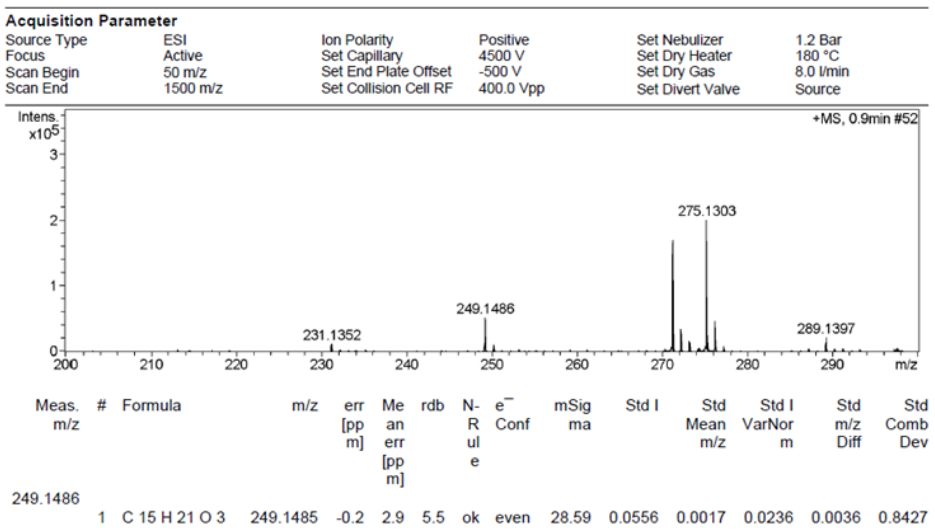

```
Current Data Parameters
NAME      RDP-50B-2 !  !
EXPNO                6
PROCNO               1

F2 - Acquisition Parameters
Date_          20200718
Time              20.20 h
INSTRUM           spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                2048
SOLVENT           CDCl3
NS                   2
DS                  16
SWH            7211.539 Hz
FIDRES         7.042518 Hz
AQ             0.1419947 sec
RG                191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0           0.00000300 sec
D1           2.00000000 sec
D13          0.00000400 sec
D16          0.00020000 sec
IN0          0.00013880 sec
TDav                 1
SFO1         600.2024008 MHz
NUC1                 1H
P1                10.00 usec
PLW1        17.23500061 W
GPNAM[1]      SMSQ10.100
GPZ1              16.00 %
GPNAM[2]      SMSQ10.100
GPZ2              12.00 %
GPNAM[3]      SMSQ10.100
GPZ3              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                  128
SFO1          600.2024 MHz
FIDRES        112.572044 Hz
SW              12.004 ppm
FnMODE               QF

F2 - Processing parameters
SI                  1024
SF          600.2000000 MHz
WDW                 SINE
SSB       0
LB        0 Hz
GB        0
PC                  1.40

F1 - Processing parameters
SI                  1024
MC2                  QF
SF          600.2000000 MHz
WDW                 SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S94 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **14**




```
Current Data Parameters
NAME      RDP-50B-2 !  !
EXPNO                7
PROCNO               1

F2 - Acquisition Parameters
Date_           20200718
Time              20.30 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                 60.93
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0             0.00005667 sec
D1             2.00000000 sec
D8             0.80000001 sec
D11            0.03000000 sec
D12            0.00002000 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                   1
SFO1          600.2024008 MHz
NUC1                  1H
P1                10.00 usec
P2                20.00 usec
P17             2500.00 usec
PLW1          17.23500061 W
PLW10          2.75760007 W
GPNAM[1]      SMSQ10.100
GPZ1              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                   256
SFO1            600.2024 MHz
FIDRES         56.286022 Hz
SW                12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  QSINE
SSB                     2
LB        0 Hz
GB        0
PC                   1.00

F1 - Processing parameters
SI                   1024
MC2          States-TPPI
SF            600.2000000 MHz
WDW                  QSINE
SSB                     2
LB        0 Hz
GB        0
```

Figure S95 NOESY spectrum (600 MHz, $CDCl_3$) of compound **14**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
249.1486														
	1	C 15 H 21 O 3	249.1485	-0.2	2.9	5.5	ok	even	28.59	0.0556	0.0017	0.0236	0.0036	0.8427

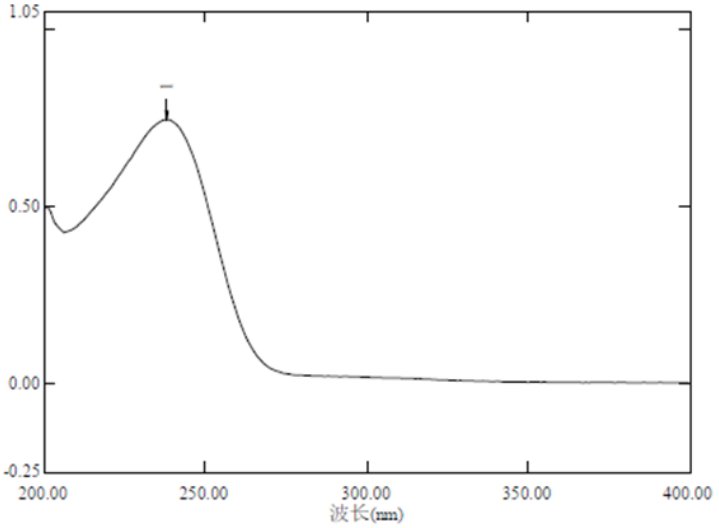


Figure S96 HRESIMS and UV spectra of compound **15**

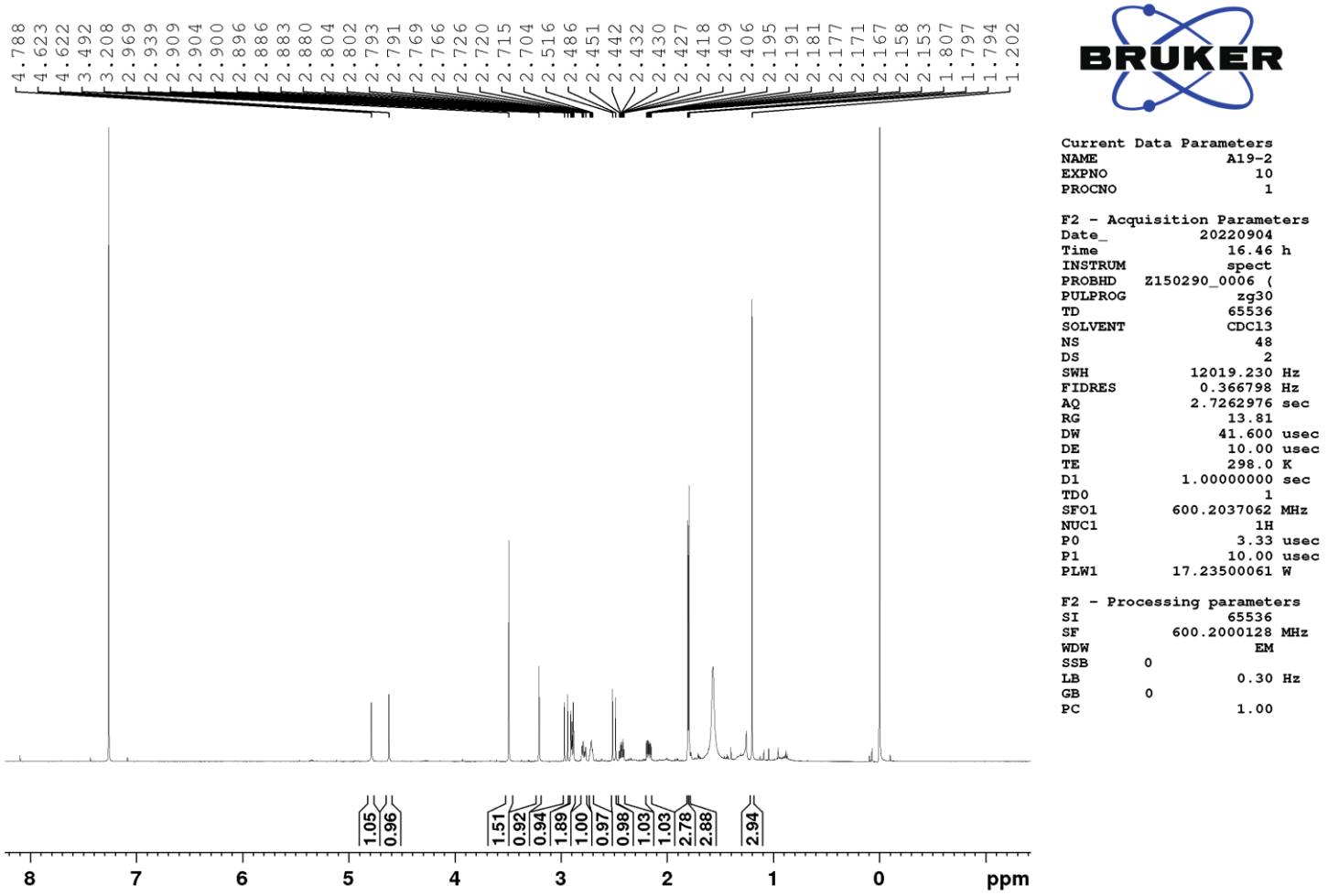


Figure S97 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **15**

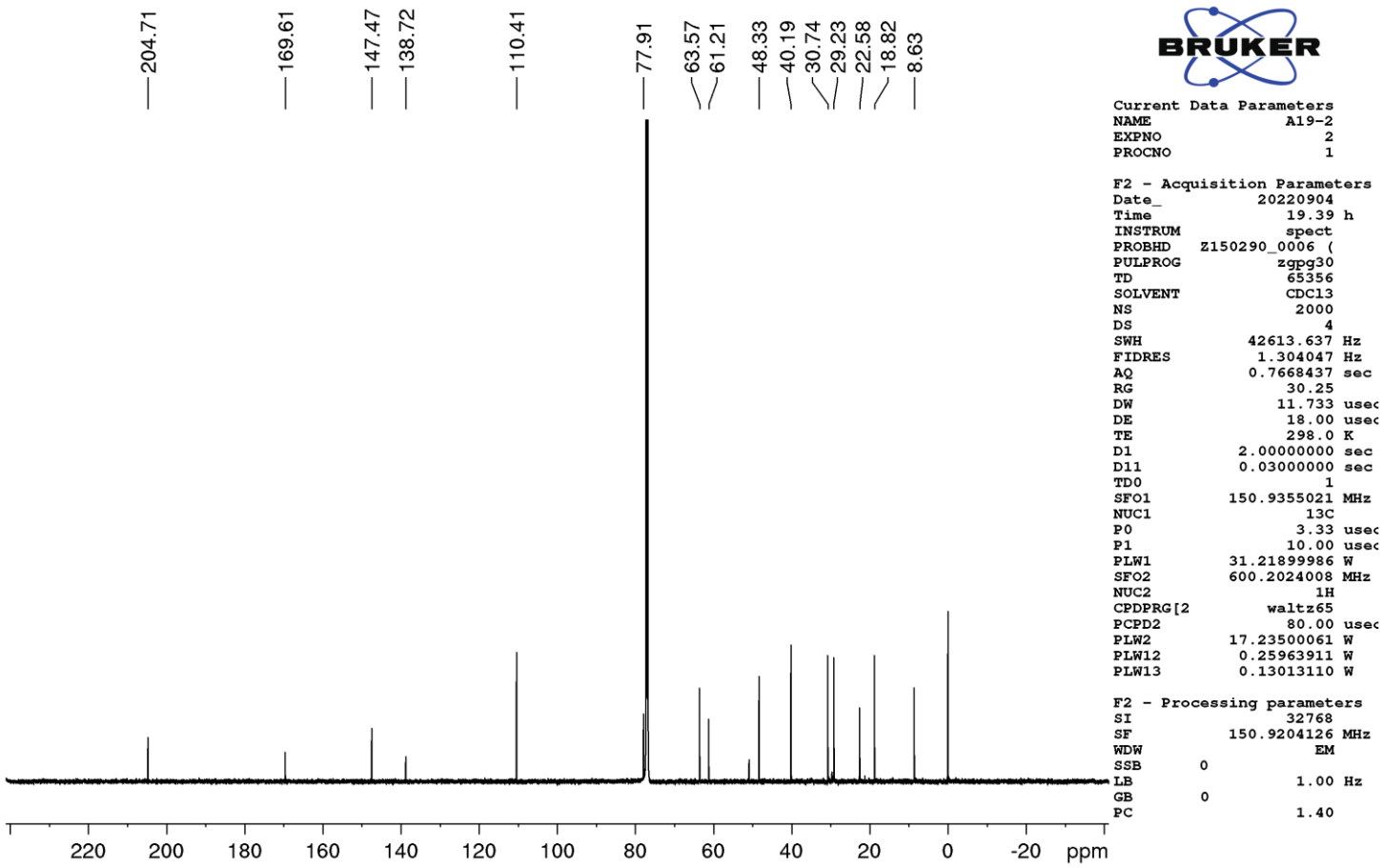
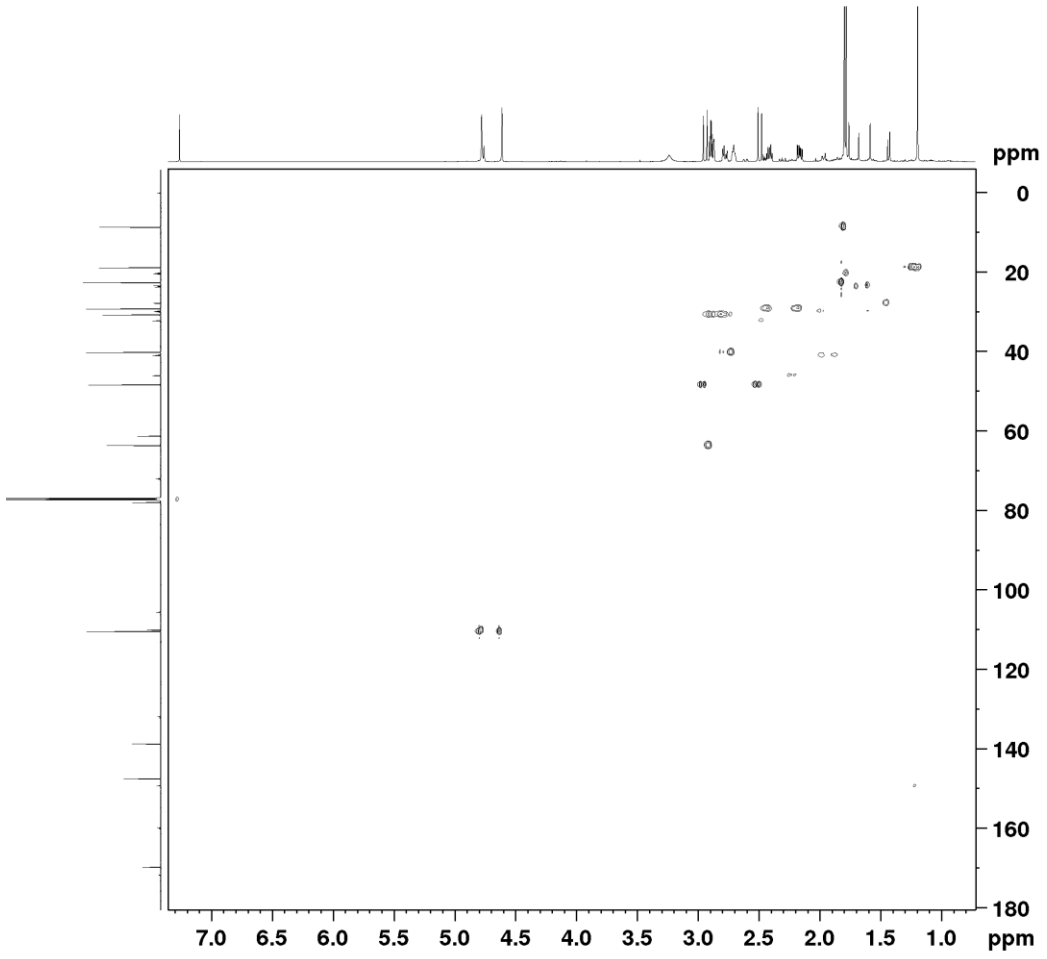


Figure S98 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **15**



Current Data Parameters
NAME RDP-341
EXPNO 4
PROCNO 1

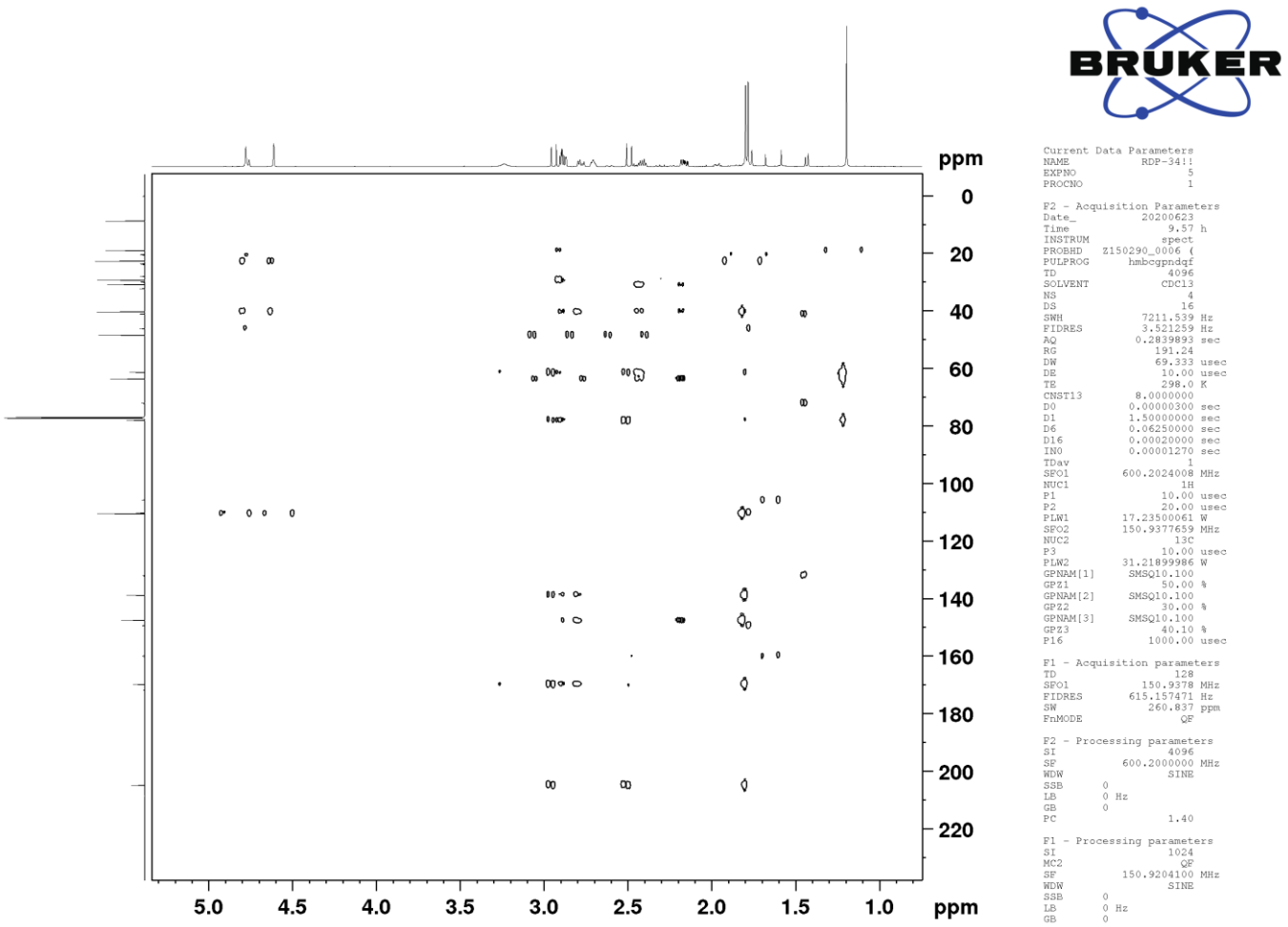
F2 - Acquisition Parameters
Date_ 20200623
Time 9.41 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9377659 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.9378 MHz
FIDRES 307.578795 Hz
SW 260.837 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S99 HSQC spectrum (600 MHz, $CDCl_3$) of compound **15**



Current Data Parameters
NAME RDP-34!!
EXPNO 5
PROCNO 1

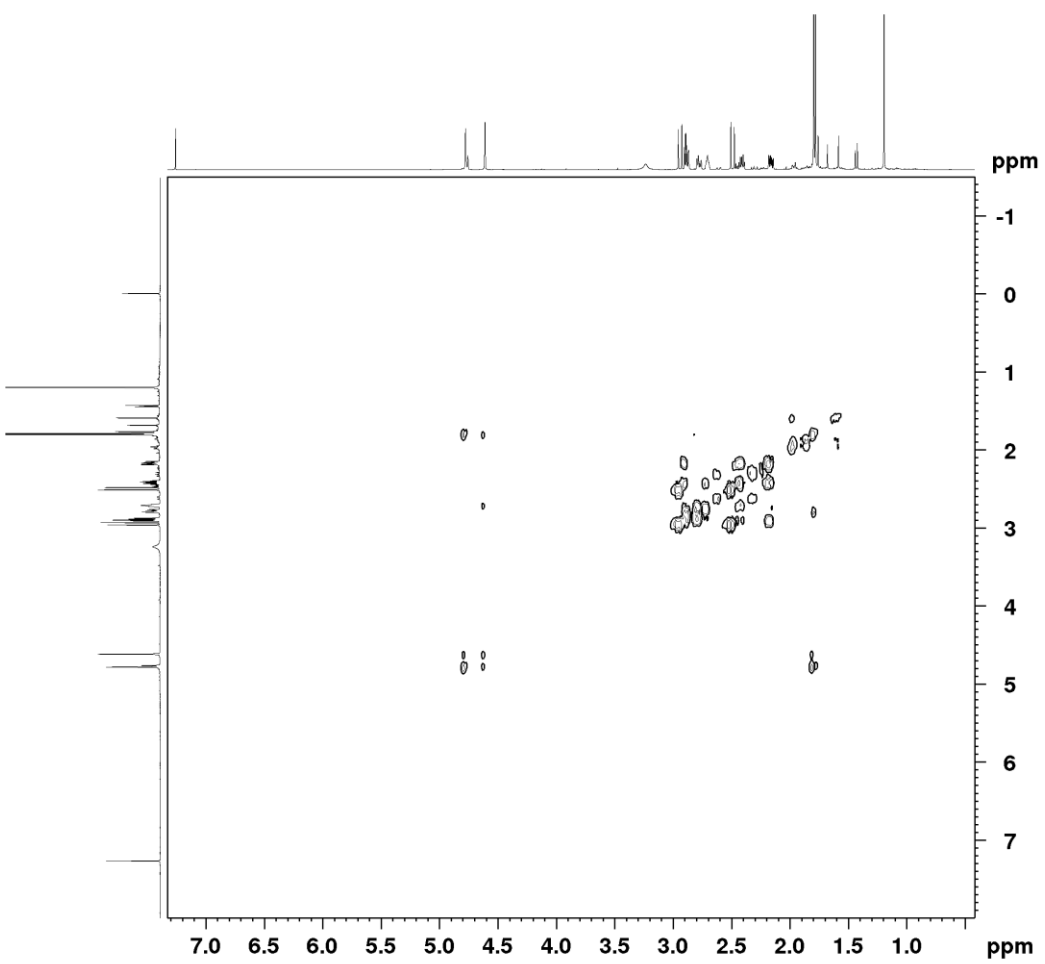
F2 - Acquisition Parameters
Date_ 20200623
Time 9.57 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hmbcgpndqf
TD 4096
SOLVENT CDCl3
NS 4
DS 16
SWH 7211.539 Hz
FIDRES 3.521259 Hz
AQ 0.2839893 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
PLW1 17.23500061 W
SFO2 150.9377659 MHz
NUC2 13C
P3 10.00 usec
PLW2 31.21899986 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 150.9378 MHz
FIDRES 615.157471 Hz
SW 260.837 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

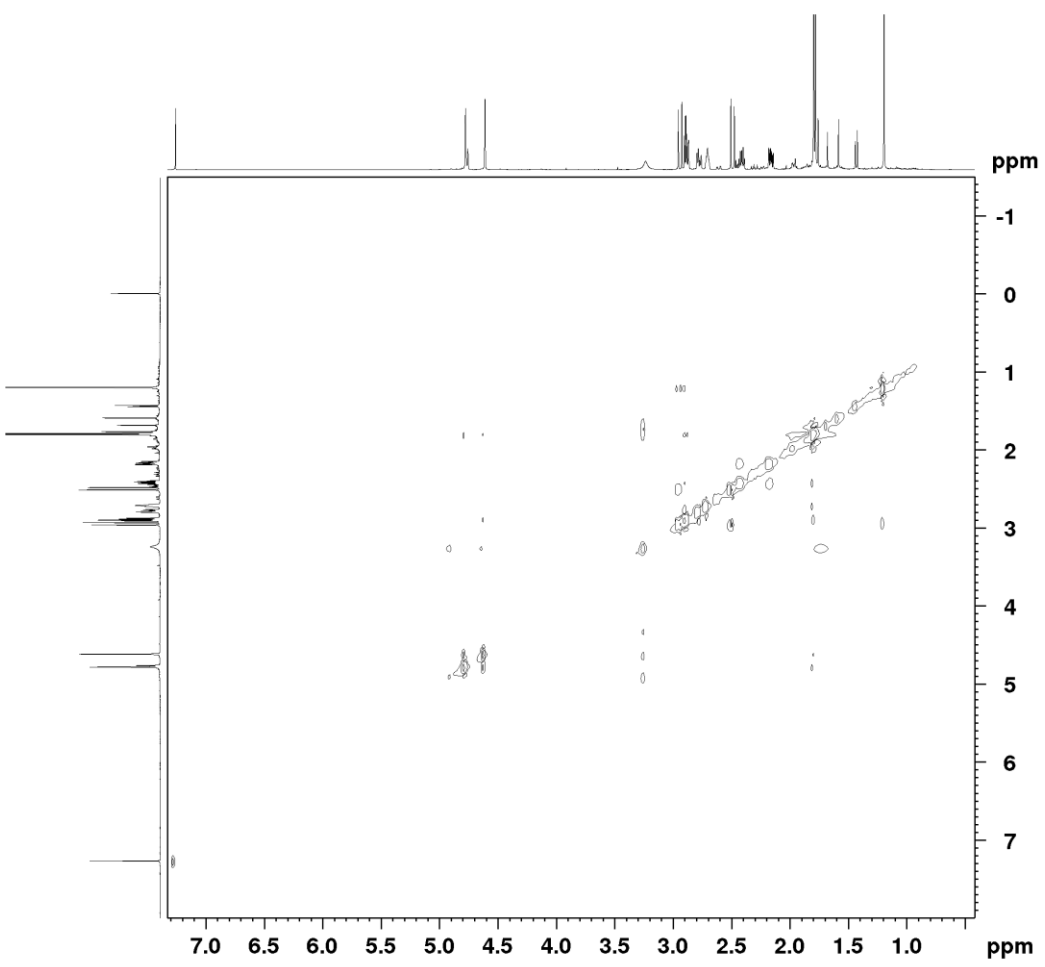
F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9204100 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S100 HMBC spectrum (600 MHz, $CDCl_3$) of compound **15**




```
Current Data Parameters
NAME                  RDP-34!!
EXPNO                        6
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200623
Time                     11.24 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG           cosygpmfqf
TD                        2048
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
D0                    0.00000300 sec
D1                    2.00000000 sec
D13                   0.00000400 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
PLW1               17.23500061 W
GPNAM[1]             SMSQ10.100
GPZ1                     16.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     12.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                      12.004 ppm
FnMODE                      QF

F2 - Processing parameters
SI                         1024
SF                600.2000000 MHz
WDW                       SINE
SSB       0
LB        0 Hz
GB        0
PC                        1.40

F1 - Processing parameters
SI                         1024
MC2                         QF
SF                600.2000000 MHz
WDW                       SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S101 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **15**




```
Current Data Parameters
NAME                  RDP-34!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200623
Time                   10.56 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                       107.6
DW                      69.333 usec
DE                       10.00 usec
TE                       298.0 K
D0                   0.00005667 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
P17                    2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]            SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                       12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB              0 Hz
GB              0
PC                        1.00

F1 - Processing parameters
SI                          1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB              0 Hz
GB              0
```

Figure S102 NOESY spectrum (600 MHz, $CDCl_3$) of compound **15**

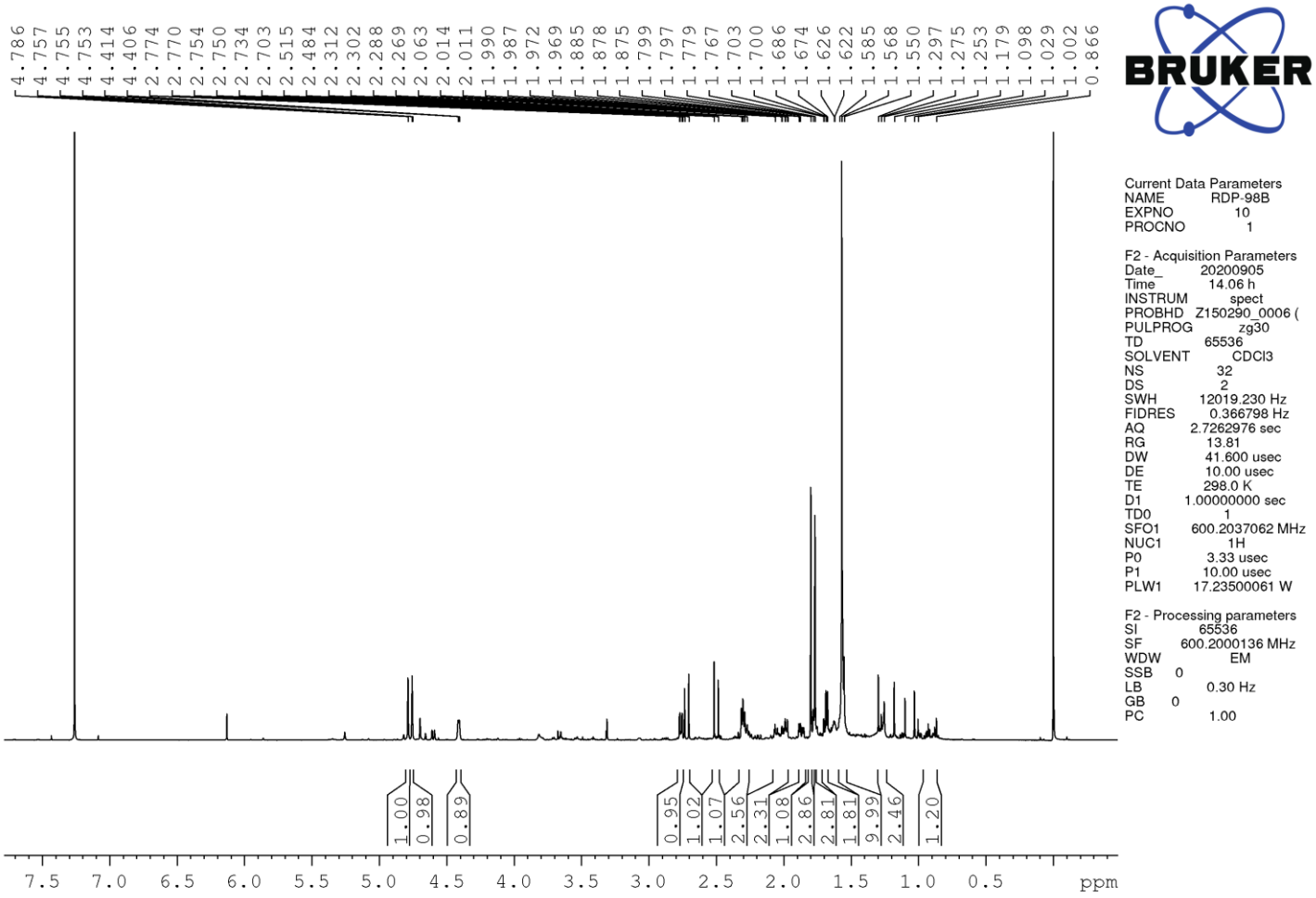


Figure S103 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **16**

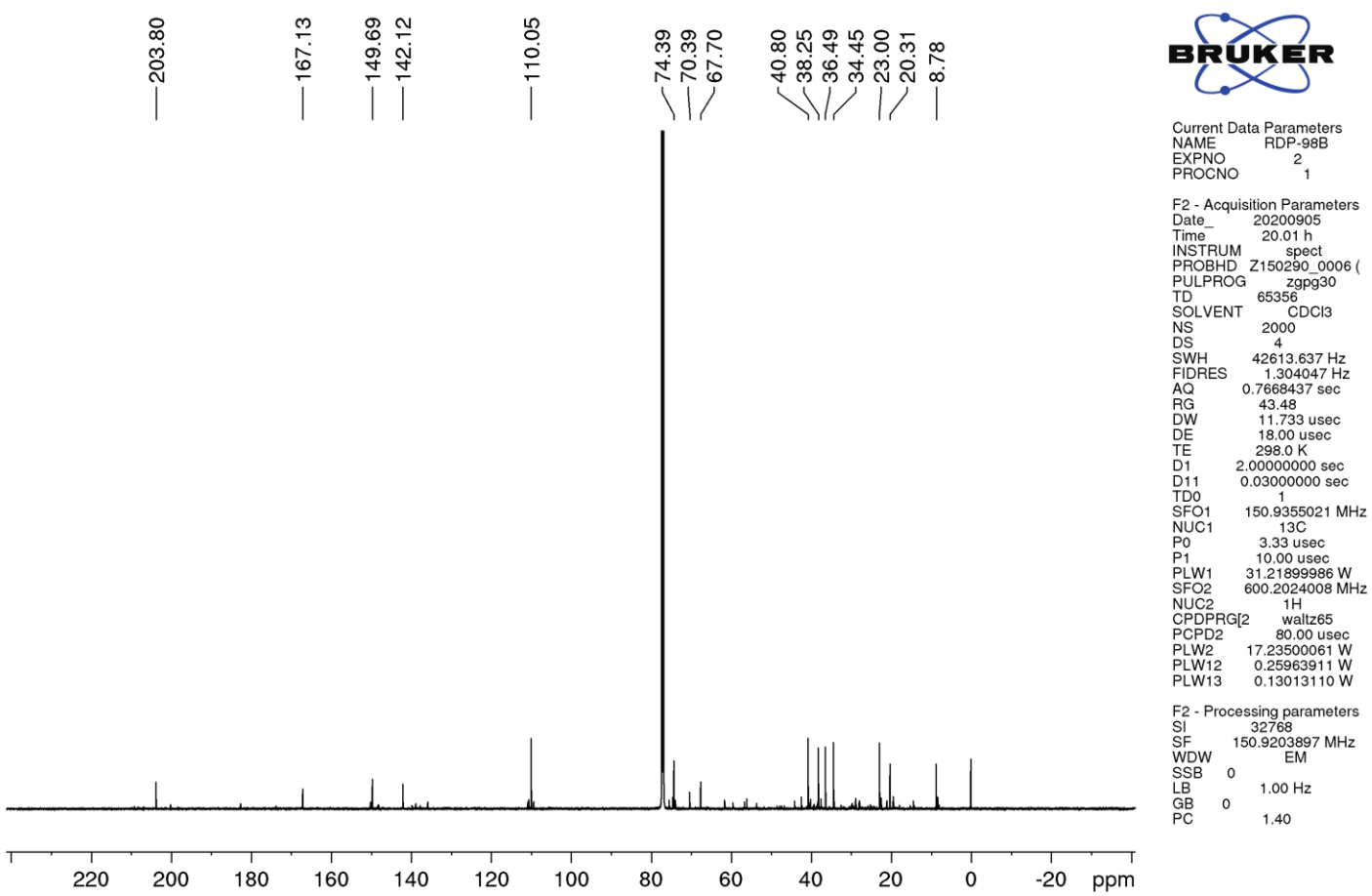
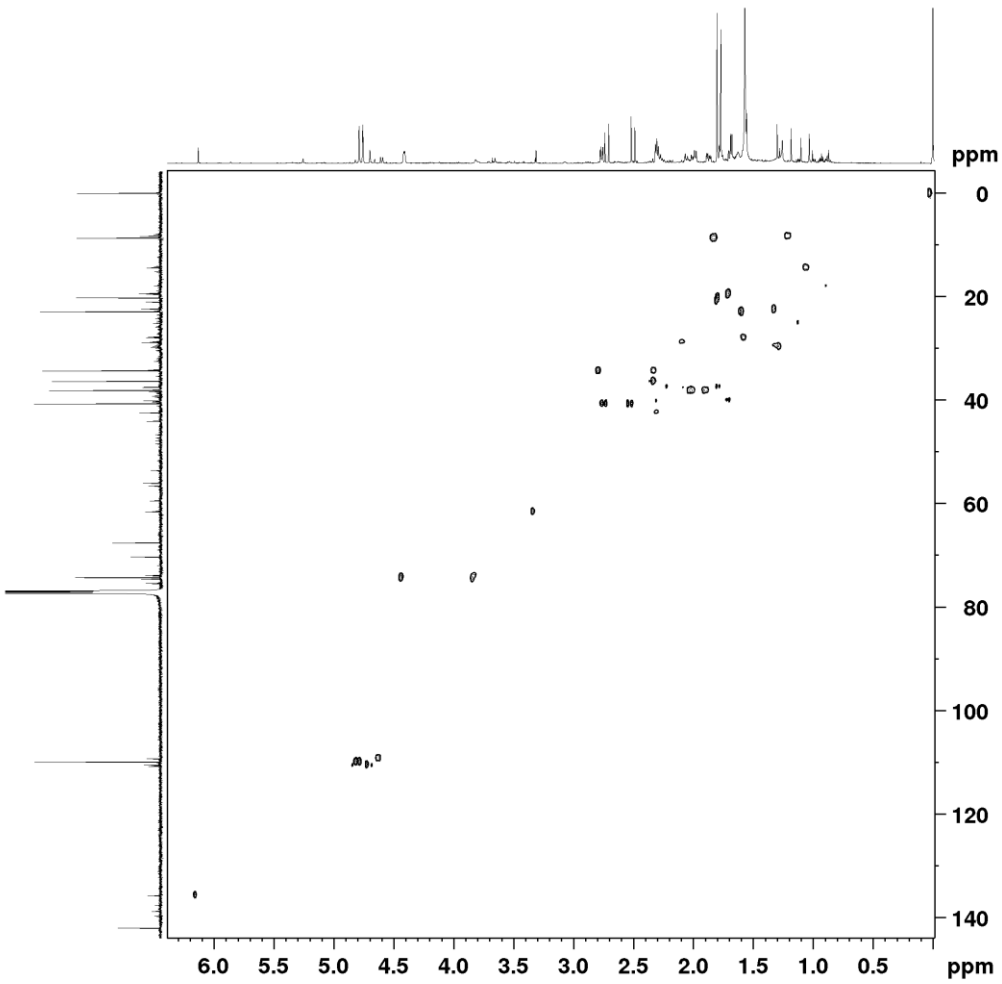
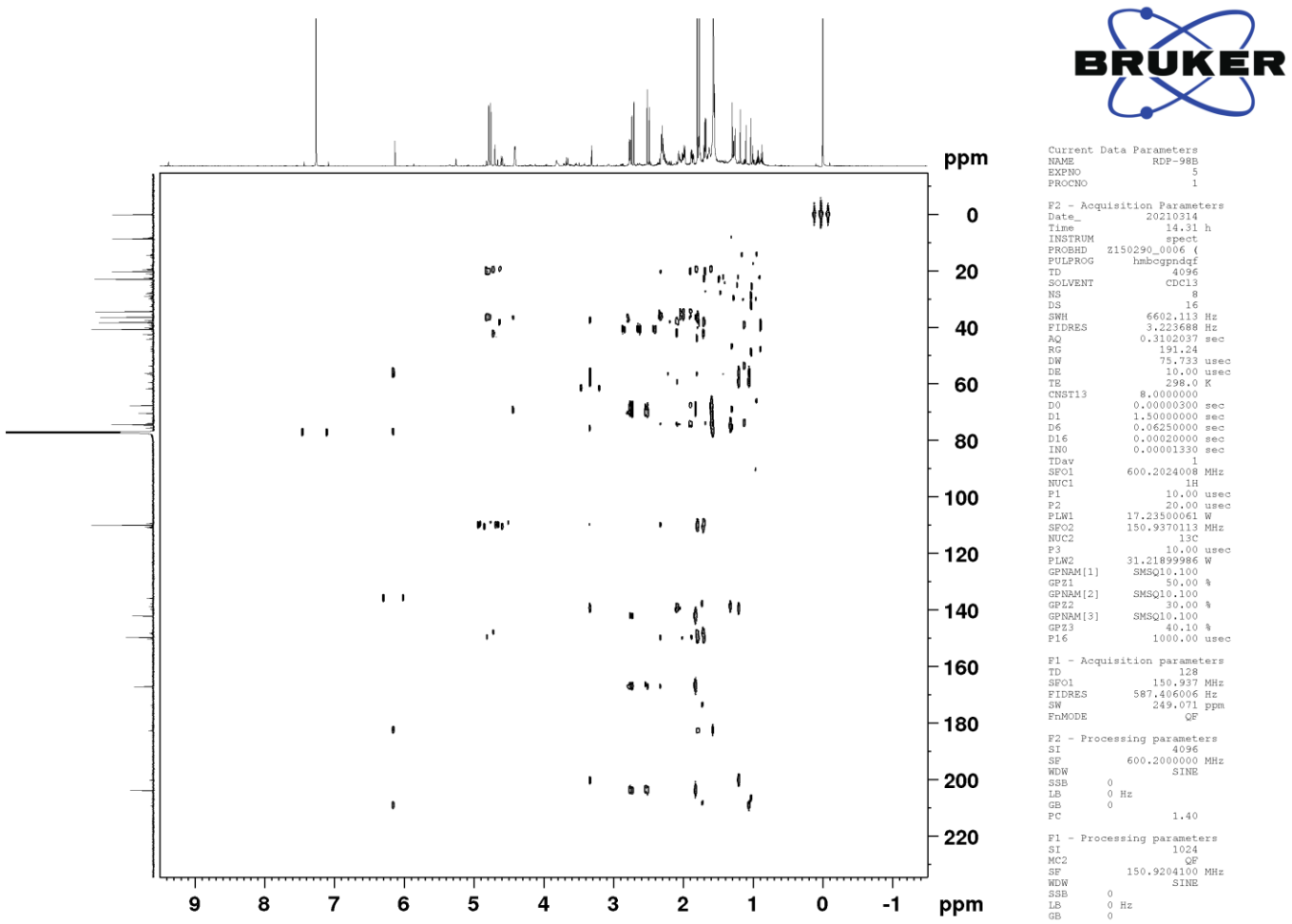


Figure S104 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **16**




```
Current Data Parameters
NAME                  RDP-98B
EXPNO                       4
PROCNO                      1

F2 - Acquisition Parameters
Date_              20210314
Time                  14.16 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG   hsqcetgpsisp2.2
TD                       2048
SOLVENT                 CDCl3
NS                          2
DS                         16
SWH                 6602.113 Hz
FIDRES              6.447376 Hz
AQ                  0.1551019 sec
RG                     191.24
DW                    75.733 usec
DE                    10.00 usec
TE                     298.0 K
CNST2             145.00000000
CNST17             -0.50000000
D0                  0.00000300 sec
D1                  1.50000000 sec
D4                  0.00172414 sec
D11                 0.03000000 sec
D16                 0.00020000 sec
D24                 0.00086200 sec
IN0                 0.00001330 sec
TDav                        1
SFO1              600.2024008 MHz
NUC1                       1H
P1                    10.00 usec
P2                    20.00 usec
P28          0 usec
PLW1            17.23500061 W
SFO2            150.9370113 MHz
NUC2                       13C
CPDPRG[2                garp4
P3                    10.00 usec
P14                  500.00 usec
P24                 2000.00 usec
PCPD2                 55.00 usec
PLW0         0 W
PLW2           31.21899986 W
PLW12           1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                  0.500
SPOFFS3   0 Hz
SPW3            4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                  0.500
SPOFFS7   0 Hz
SPW7            4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                   80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                   20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                   11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                   -5.00 %
P16                 1000.00 usec
P19                  600.00 usec

F1 - Acquisition parameters
TD                        256
SFO1                150.937 MHz
FIDRES          293.703003 Hz
SW                  249.071 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                       1024
SF                600.2000000 MHz
WDW                     QSINE
SSB                         2
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                       1024
MC2           echo-antiecho
SF                150.9204100 MHz
WDW                     QSINE
SSB                         2
LB           0 Hz
GB           0
```

Figure S105 HSQC spectrum (600 MHz, $CDCl_3$) of compound **16**



Current Data Parameters
NAME RDP-98B
EXPNO 5
PROCNO 1

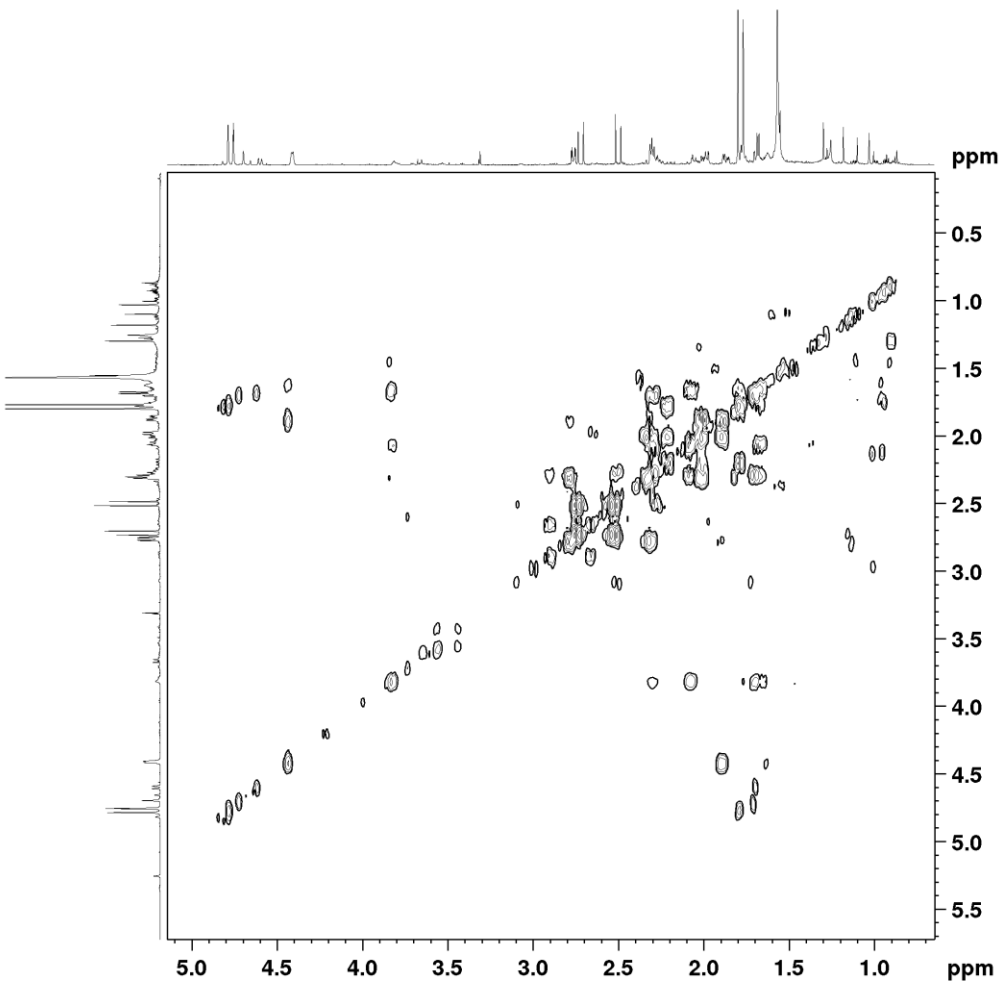
F2 - Acquisition Parameters
Date_ 20210314
Time 14.31 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hmbcgpndqf
TD 4096
SOLVENT CDCl3
NS 8
DS 16
SWH 6602.113 Hz
FIDRES 3.223688 Hz
AQ 0.3102037 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001330 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
P3 10.00 usec
PLW2 31.21899986 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 150.937 MHz
FIDRES 587.406006 Hz
SW 249.071 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

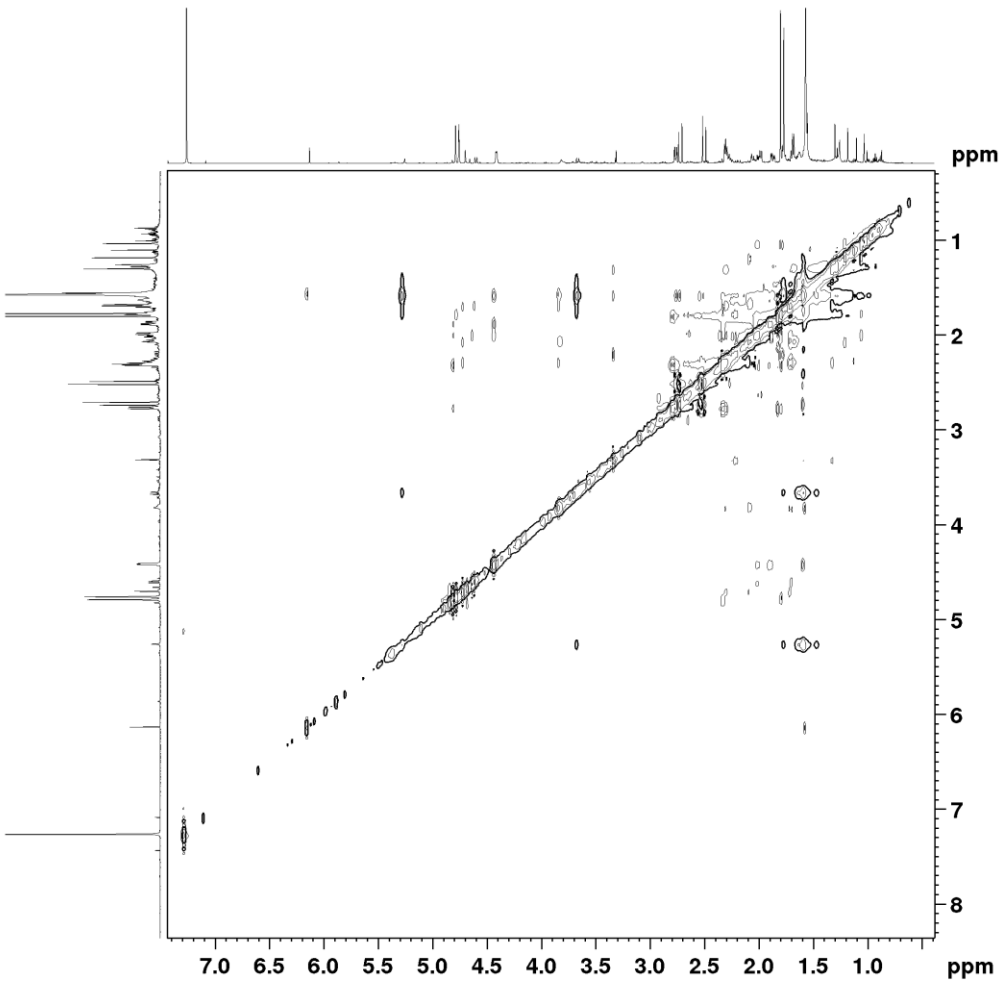
F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9204100 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S106 HMBC spectrum (600 MHz, $CDCl_3$) of compound **16**



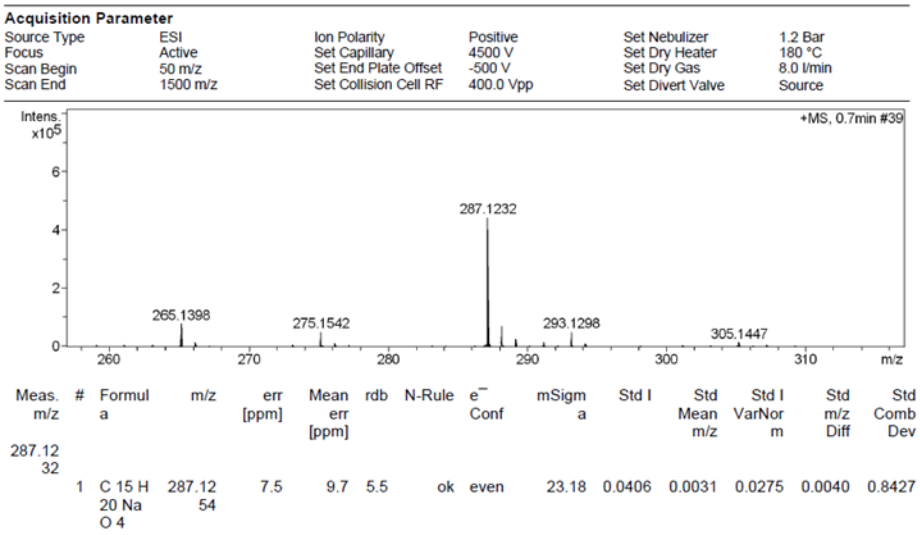

```
Current Data Parameters
NAME                  RDP-98B
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_               20210314
Time                   15.04 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                  CDCl3
NS                          4
DS                         16
SWH                 6602.113 Hz
FIDRES              6.447376 Hz
AQ                  0.1551019 sec
RG                     191.24
DW                     75.733 usec
DE                     10.00 usec
TE                     298.0 K
D0                  0.00000300 sec
D1                  2.00000000 sec
D13                 0.00000400 sec
D16                 0.00020000 sec
IN0                 0.00015140 sec
TDav                        1
SFO1              600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
PLW1             17.23500061 W
GPNAM[1]          SMSQ10.100
GPZ1                   16.00 %
GPNAM[2]          SMSQ10.100
GPZ2                   12.00 %
GPNAM[3]          SMSQ10.100
GPZ3                   40.00 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1               600.2024 MHz
FIDRES            103.203438 Hz
SW                     11.005 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                     SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                        QF
SF                600.2000000 MHz
WDW                     SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S107 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **16**




```
Current Data Parameters
NAME                  RDP-98B
EXPNO                       7
PROCNO                      1

F2 - Acquisition Parameters
Date_               20210314
Time                   15.24 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG         noesygpphpp
TD                       2048
SOLVENT                 CDCl3
NS                          4
DS                         16
SWH                  6602.113 Hz
FIDRES               6.447376 Hz
AQ                   0.1551019 sec
RG                       60.93
DW                      75.733 usec
DE                      10.00 usec
TE                      298.0 K
D0                   0.00006297 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00015140 sec
TDav                        1
SFO1                600.2024008 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
P17                   2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]            SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                        256
SFO1                 600.2024 MHz
FIDRES              51.601719 Hz
SW                     11.005 ppm
FnMODE            States-TPPI

F2 - Processing parameters
SI                       1024
SF                  600.2000000 MHz
WDW                      QSINE
SSB                         2
LB              0 Hz
GB              0
PC                       1.00

F1 - Processing parameters
SI                       1024
MC2               States-TPPI
SF                  600.2000000 MHz
WDW                      QSINE
SSB                         2
LB              0 Hz
GB              0
```

Figure S108 NOESY spectrum (600 MHz, $CDCl_3$) of compound **16**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
287.1232	1	C 15 H 20 Na O 4	287.1254	7.5	9.7	5.5	ok	even	23.18	0.0406	0.0031	0.0275	0.0040	0.8427

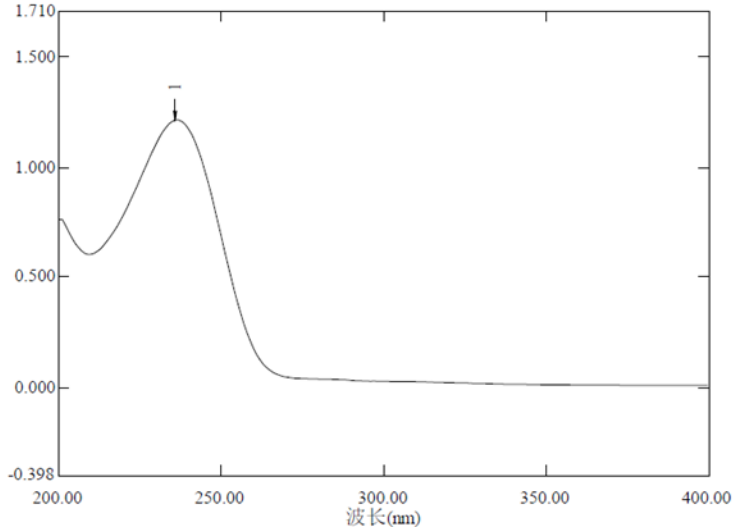


Figure S109 HRESIMS and UV spectra of compound **17**

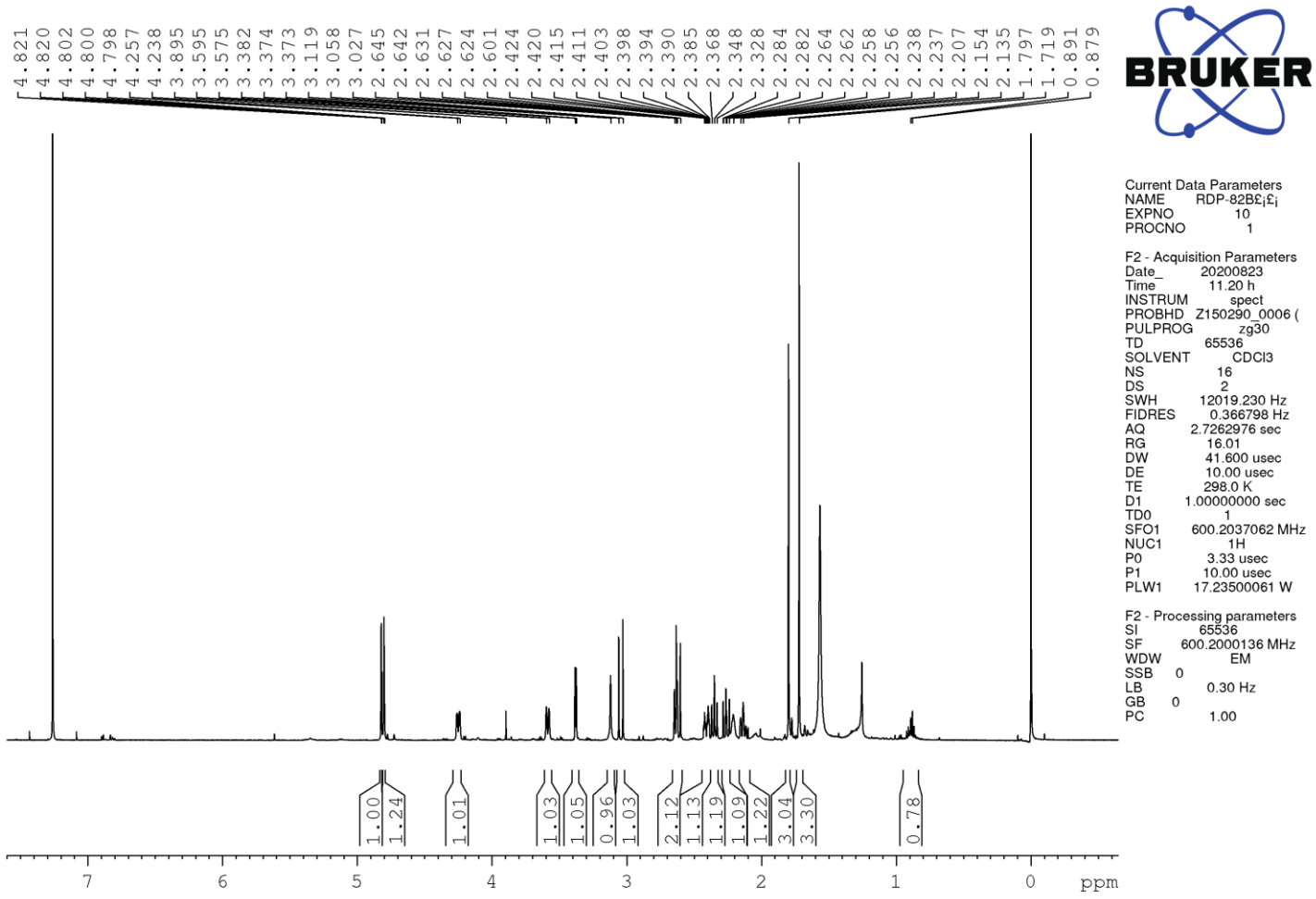


Figure S110 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **17**

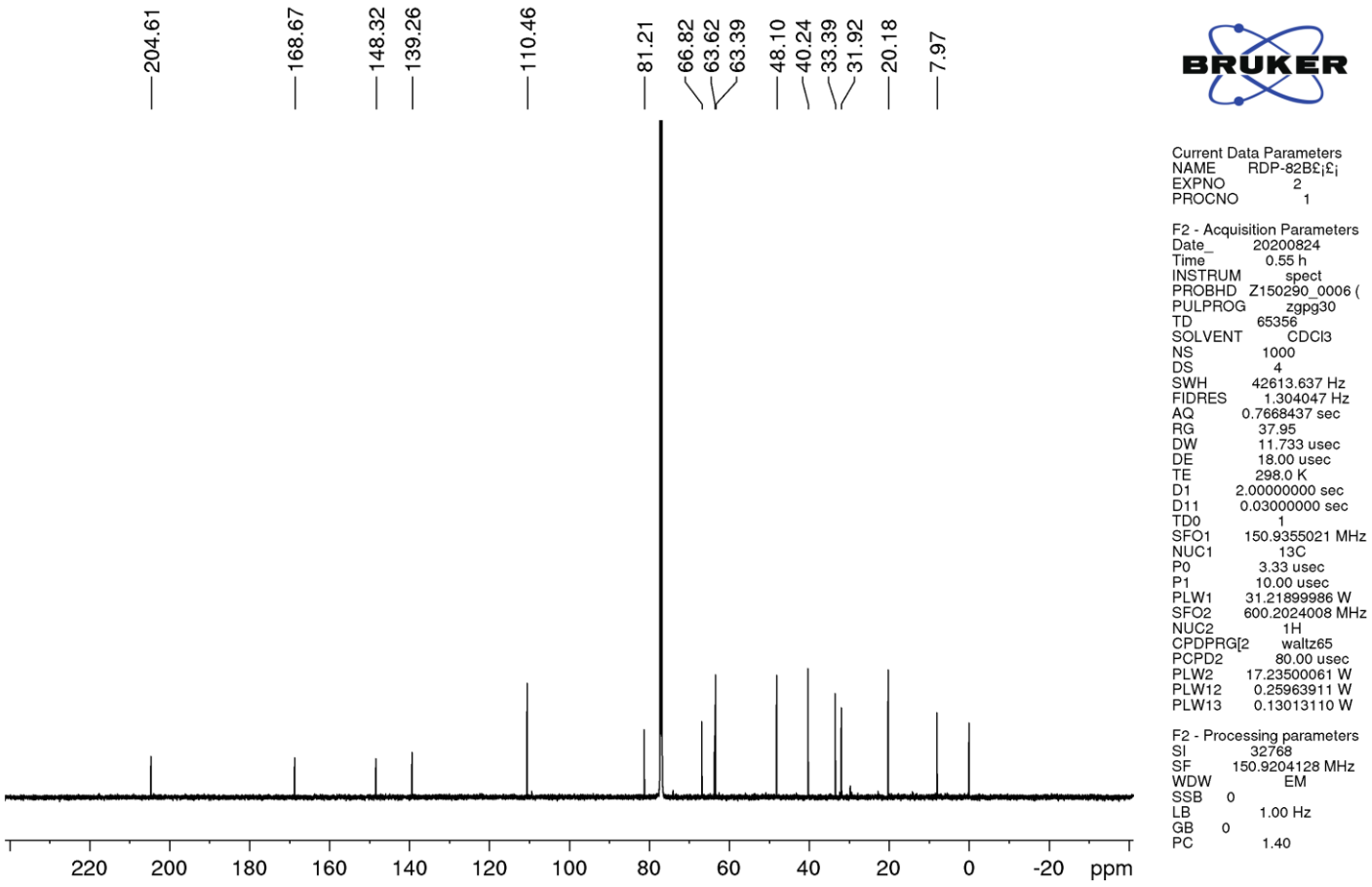
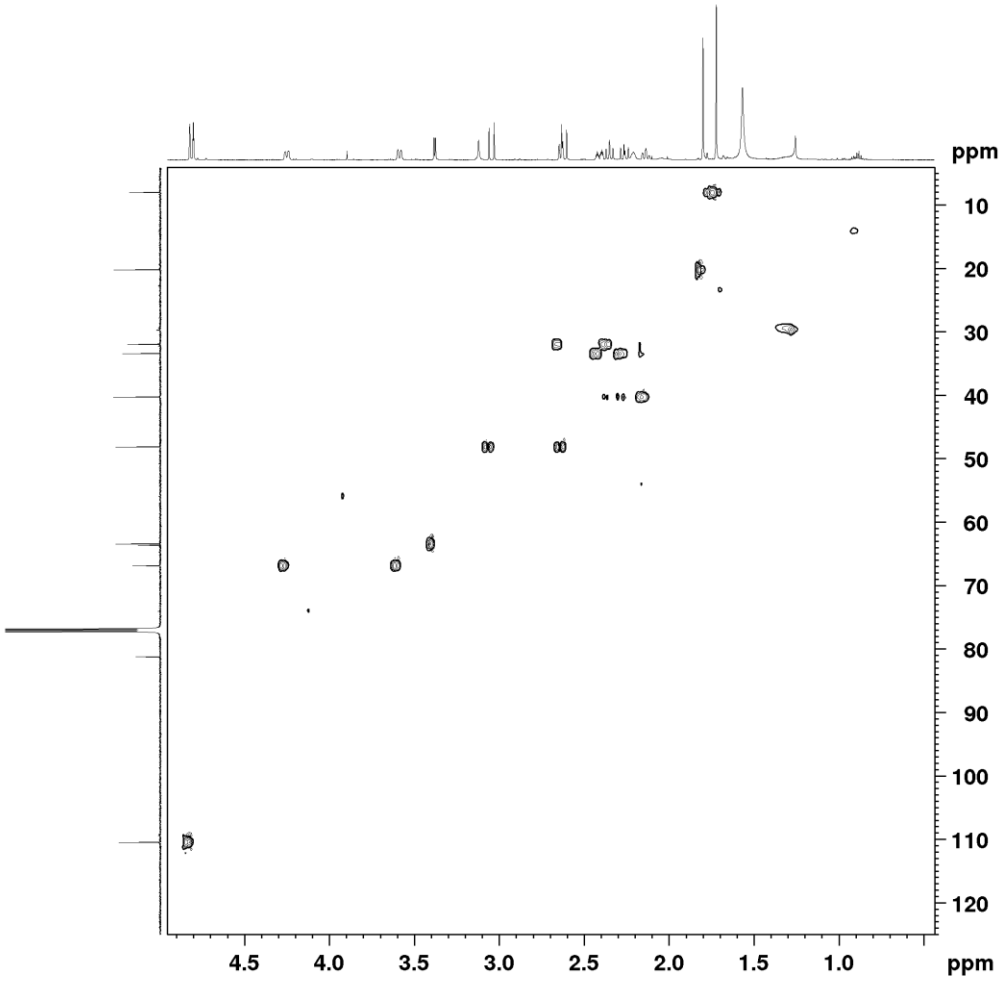
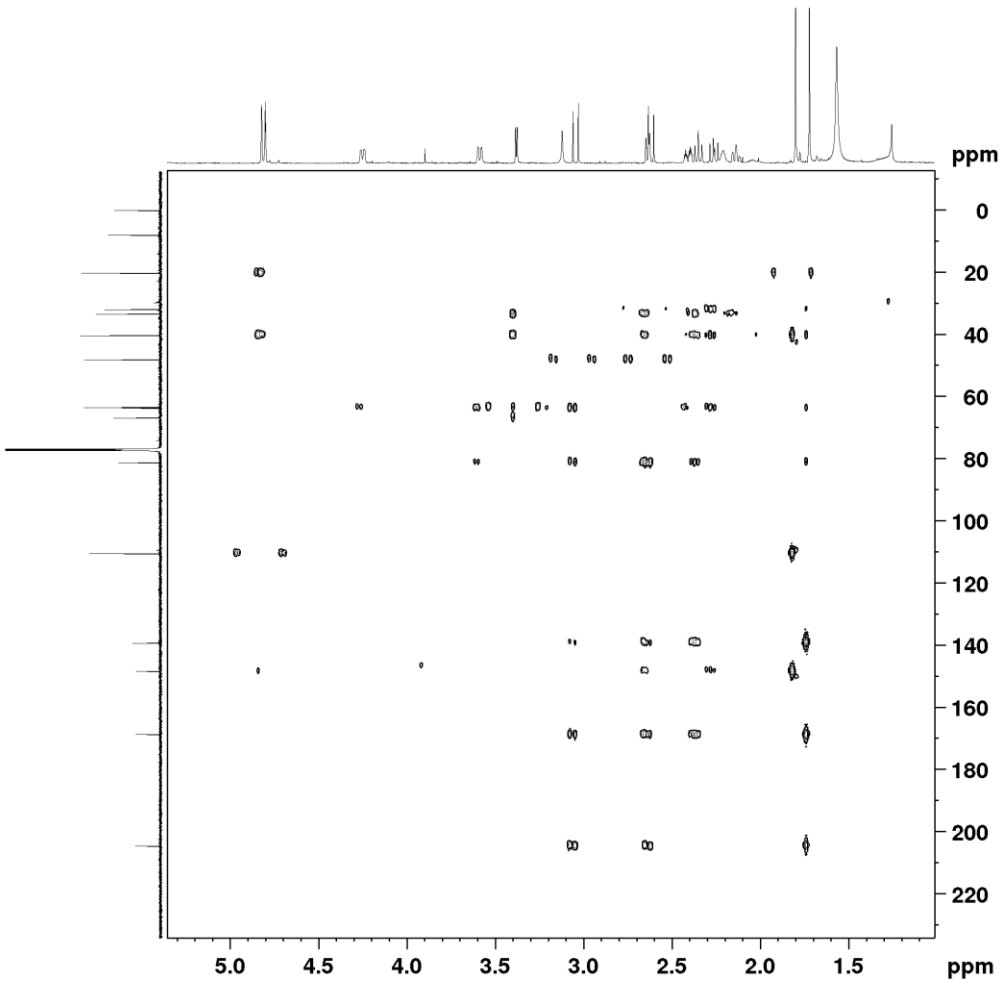


Figure S111 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **17**



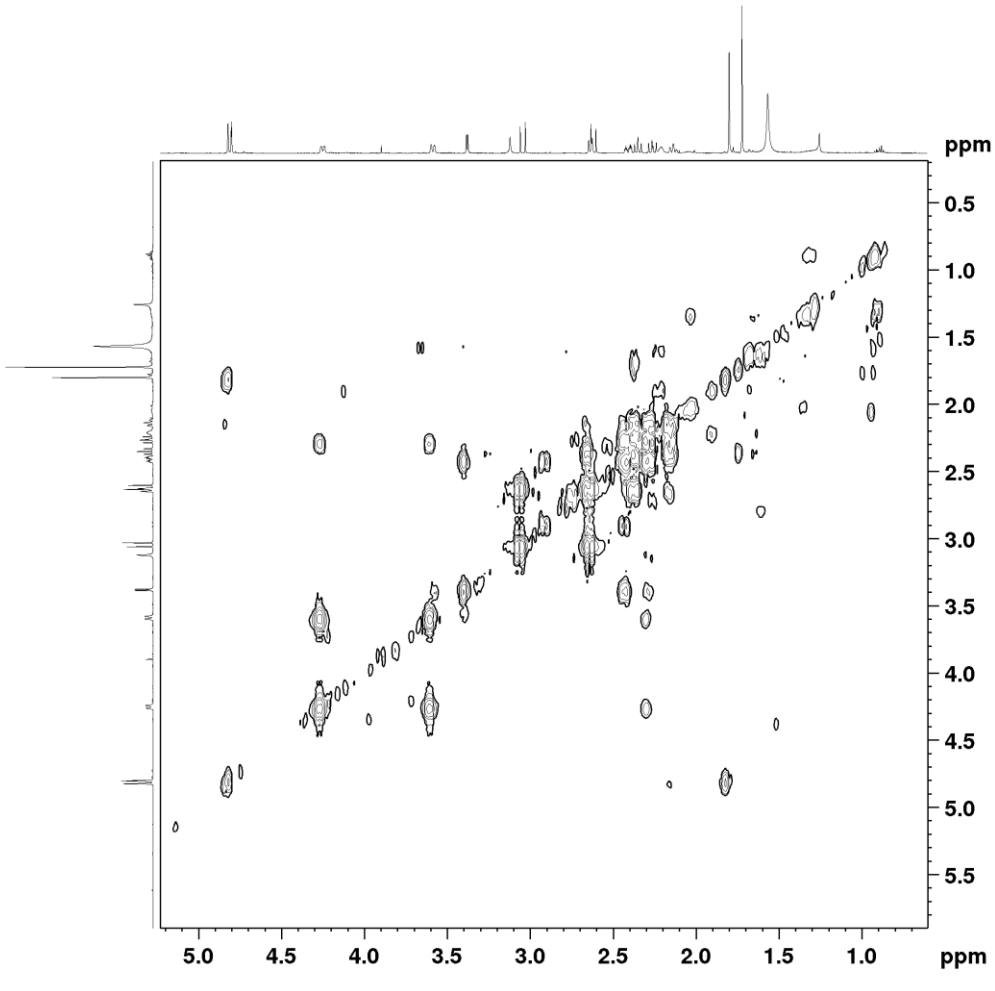

```
Current Data Parameters
NAME                  RDP-82B
EXPNO                       4
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200831
Time                    9.34 h
INSTRUM                 spect
PROBHD     Z150290_0006 (
PULPROG    hsqcetgpsisp2.2
TD                       2048
SOLVENT                 CDCl3
NS                          3
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042519 Hz
AQ                   0.1419947 sec
RG                      191.24
DW                     69.333 usec
DE                     10.00 usec
TE                      298.0 K
CNST2              145.00000000
CNST17              -0.5000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D4                   0.00172414 sec
D11                  0.03000000 sec
D16                  0.00020000 sec
D24                  0.00086200 sec
IN0                  0.00001270 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
P2                     20.00 usec
P28          0 usec
PLW1            17.23500061 W
SFO2           150.9370113 MHz
NUC2                       13C
CPDPRG[2                garp4
P3                     10.00 usec
P14                   500.00 usec
P24                  2000.00 usec
PCPD2                  55.00 usec
PLW0         0 W
PLW2            31.21899986 W
PLW12            1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                  0.500
SPOFFS3      0 Hz
SPW3             4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                  0.500
SPOFFS7      0 Hz
SPW7             4.76999998 W
GPNAM[1]         SMSQ10.100
GPZ1                   80.00 %
GPNAM[2]         SMSQ10.100
GPZ2                   20.10 %
GPNAM[3]         SMSQ10.100
GPZ3                   11.00 %
GPNAM[4]         SMSQ10.100
GPZ4                   -5.00 %
P16                  1000.00 usec
P19                   600.00 usec

F1 - Acquisition parameters
TD                        256
SFO1               150.937 MHz
FIDRES           307.578735 Hz
SW                   260.838 ppm
FnMODE       Echo-Antiecho

F2 - Processing parameters
SI                       1024
SF                600.2000000 MHz
WDW                     QSINE
SSB                         2
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2           echo-antiecho
SF                150.9204100 MHz
WDW                     QSINE
SSB                         2
LB           0 Hz
GB           0
```

Figure S112 HSQC spectrum (600 MHz, $CDCl_3$) of compound **17**



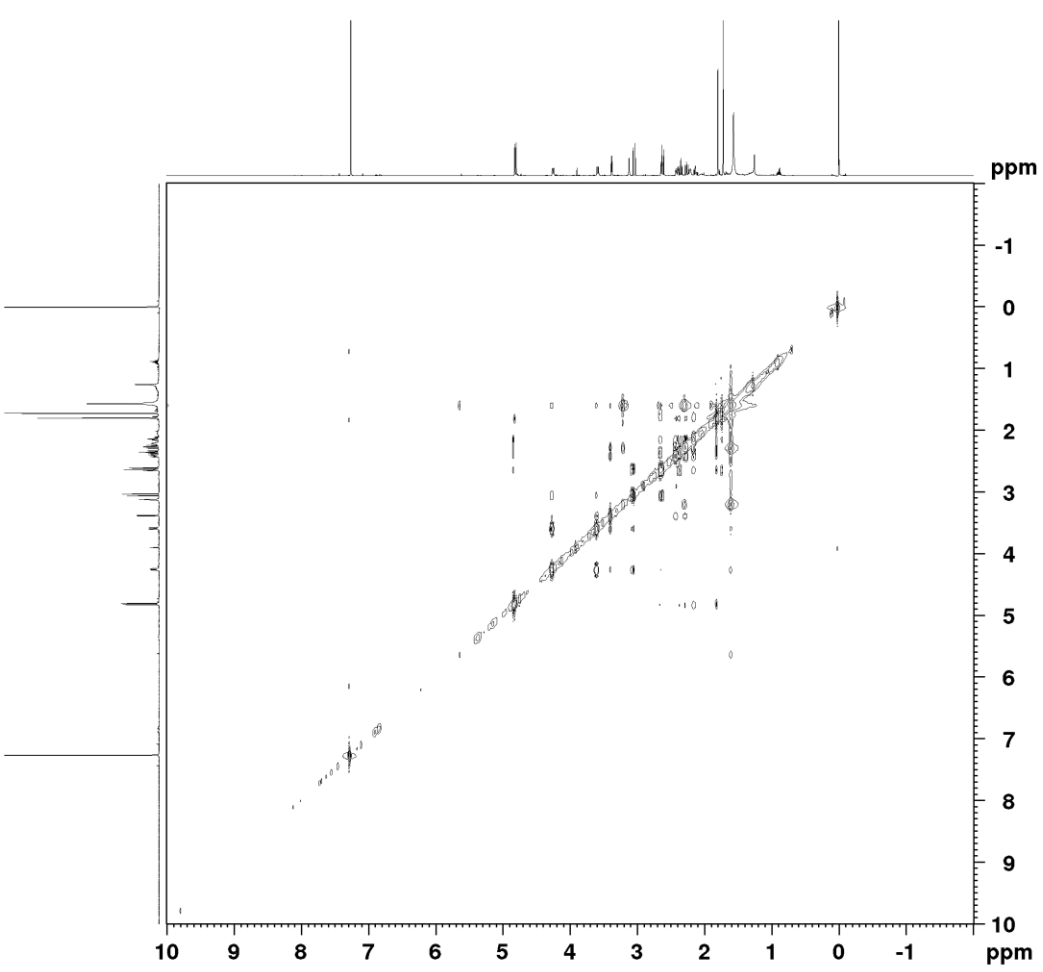

```
Current Data Parameters
NAME                  RDF-82B
EXPNO                       5
PROCNO                      1

F2 - Acquisition Parameters
Date_                20200831
Time                     9.57 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG       hmbcgpndqf
TD                       4096
SOLVENT                  CDCl3
NS                         12
DS                         16
SWH                 7211.539 Hz
FIDRES              3.521259 Hz
AQ                  0.2839893 sec
RG                     191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
CNST13              8.0000000
D0                  0.00000300 sec
D1                  1.50000000 sec
D6                  0.06250000 sec
D16                 0.00020000 sec
IN0                 0.00001270 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
P2                      20.00 usec
PLW1               17.23500061 W
SFO2               150.9370113 MHz
NUC2                       13C
P3                      10.00 usec
PLW2               31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                    40.10 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                150.937 MHz
FIDRES             615.157471 Hz
SW                    260.838 ppm
FnMODE                     QF

F2 - Processing parameters
SI                       4096
SF                600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2                        QF
SF                150.9204100 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S113 HMBC spectrum (600 MHz, $CDCl_3$) of compound **17**




```
Current Data Parameters
NAME                  RDP-82B
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200831
Time                  13.27 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                 CDCl3
NS                          6
DS                         16
SWH                 7211.539 Hz
FIDRES              7.042518 Hz
AQ                  0.1419947 sec
RG                     191.24
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
D0                  0.00000300 sec
D1                  2.00000000 sec
D13                 0.00000400 sec
D16                 0.00020000 sec
IN0                 0.00013880 sec
TDav                        1
SFO1              600.2024008 MHz
NUC1                       1H
P1                      10.00 usec
PLW1             17.23500061 W
GPNAM[1]          SMSQ10.100
GPZ1                    16.00 %
GPNAM[2]          SMSQ10.100
GPZ2                    12.00 %
GPNAM[3]          SMSQ10.100
GPZ3                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES             112.572044 Hz
SW                     12.004 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                        QF
SF                600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S114 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **17**




```
Current Data Parameters
NAME                  RDP-82B
EXPNO                       7
PROCNO                      1

F2 - Acquisition Parameters
Date_              20200901
Time                    5.23 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                       2048
SOLVENT                 CDCl3
NS                          6
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                       60.93
DW                       69.333 usec
DE                       10.00 usec
TE                      298.0 K
D0                0.00005667 sec
D1                2.00000000 sec
D8                0.80000001 sec
D11               0.03000000 sec
D12               0.00002000 sec
D16               0.00020000 sec
IN0               0.00013880 sec
TDav                        1
SFO1             600.2024008 MHz
NUC1                       1H
P1                       10.00 usec
P2                       20.00 usec
P17                    2500.00 usec
PLW1             17.23500061 W
PLW10             2.75760007 W
GPNAM[1]          SMSQ10.100
GPZ1                    40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                      12.004 ppm
FnMODE           States-TPPI

F2 - Processing parameters
SI                        1024
SF                600.2000000 MHz
WDW                       QSINE
SSB                          2
LB            0 Hz
GB            0
PC                        1.00

F1 - Processing parameters
SI                        1024
MC2              States-TPPI
SF                600.2000000 MHz
WDW                       QSINE
SSB                          2
LB            0 Hz
GB            0
```

Figure S115 NOESY spectrum (600 MHz, $CDCl_3$) of compound **17**

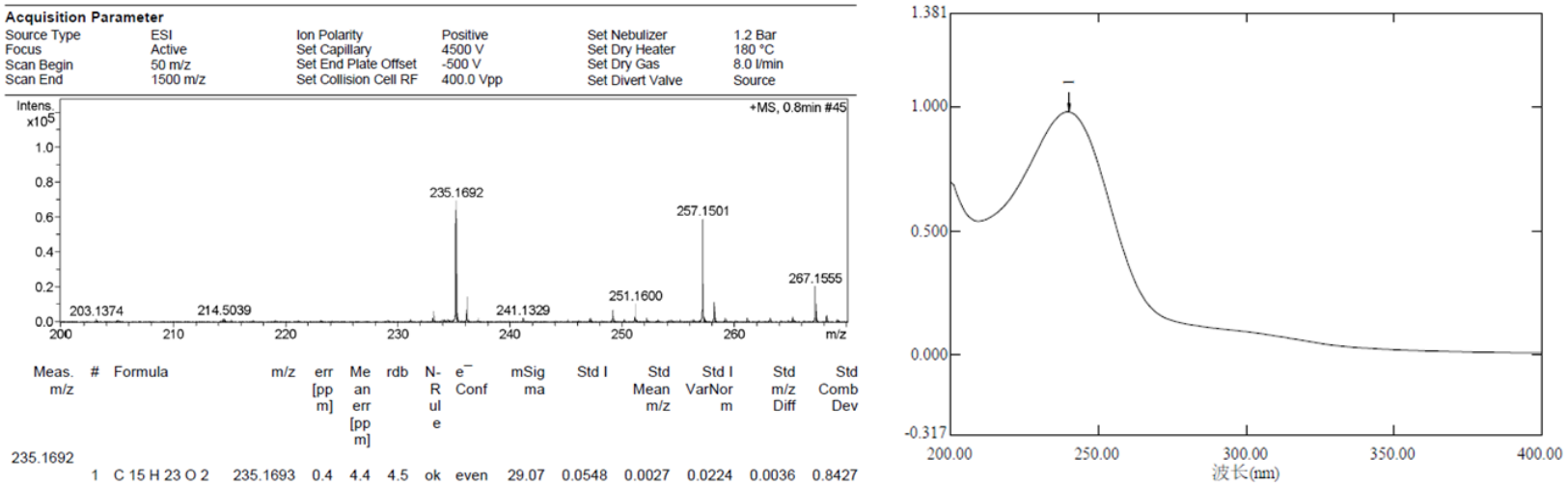


Figure S116 HRESIMS and UV spectra of compound **18**

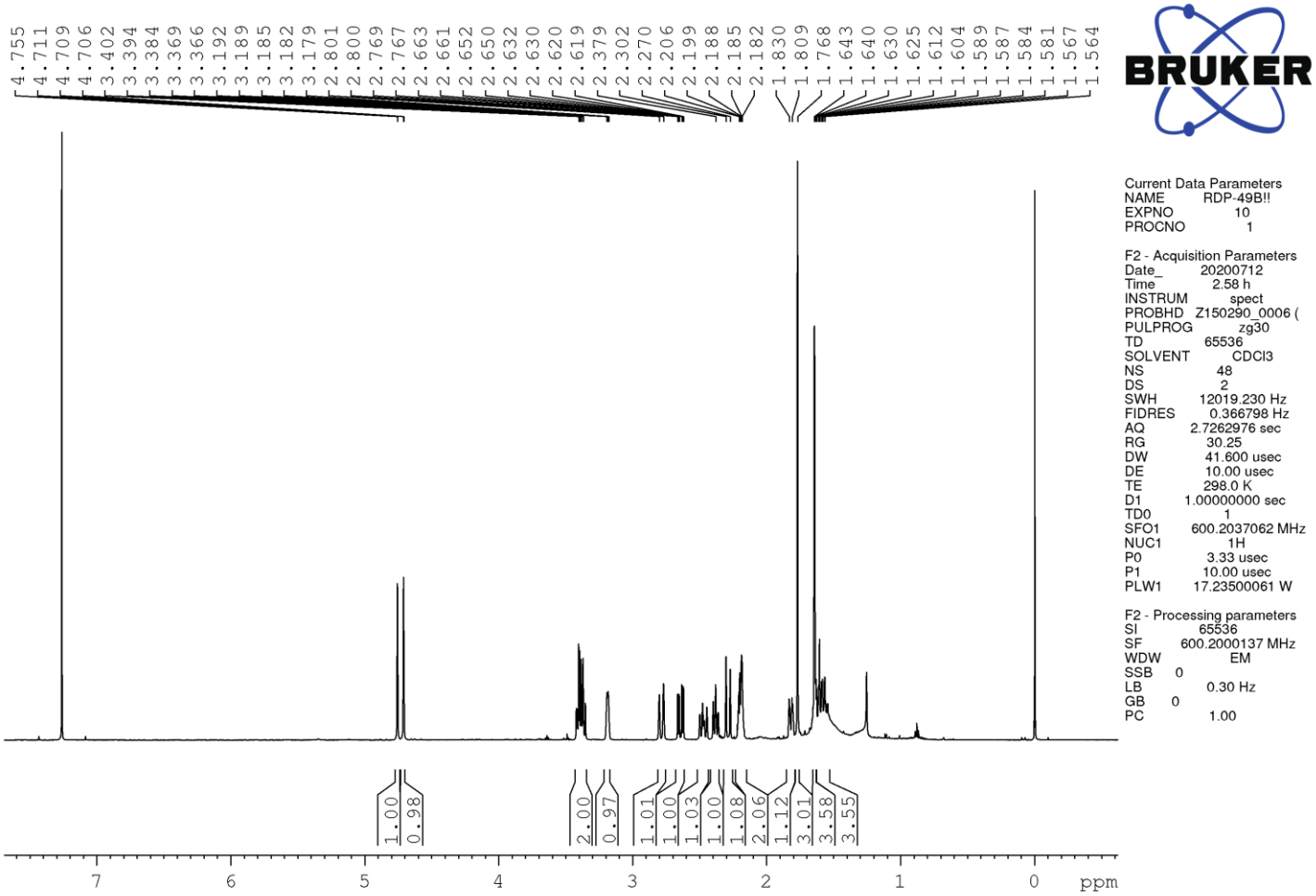


Figure S117 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **18**

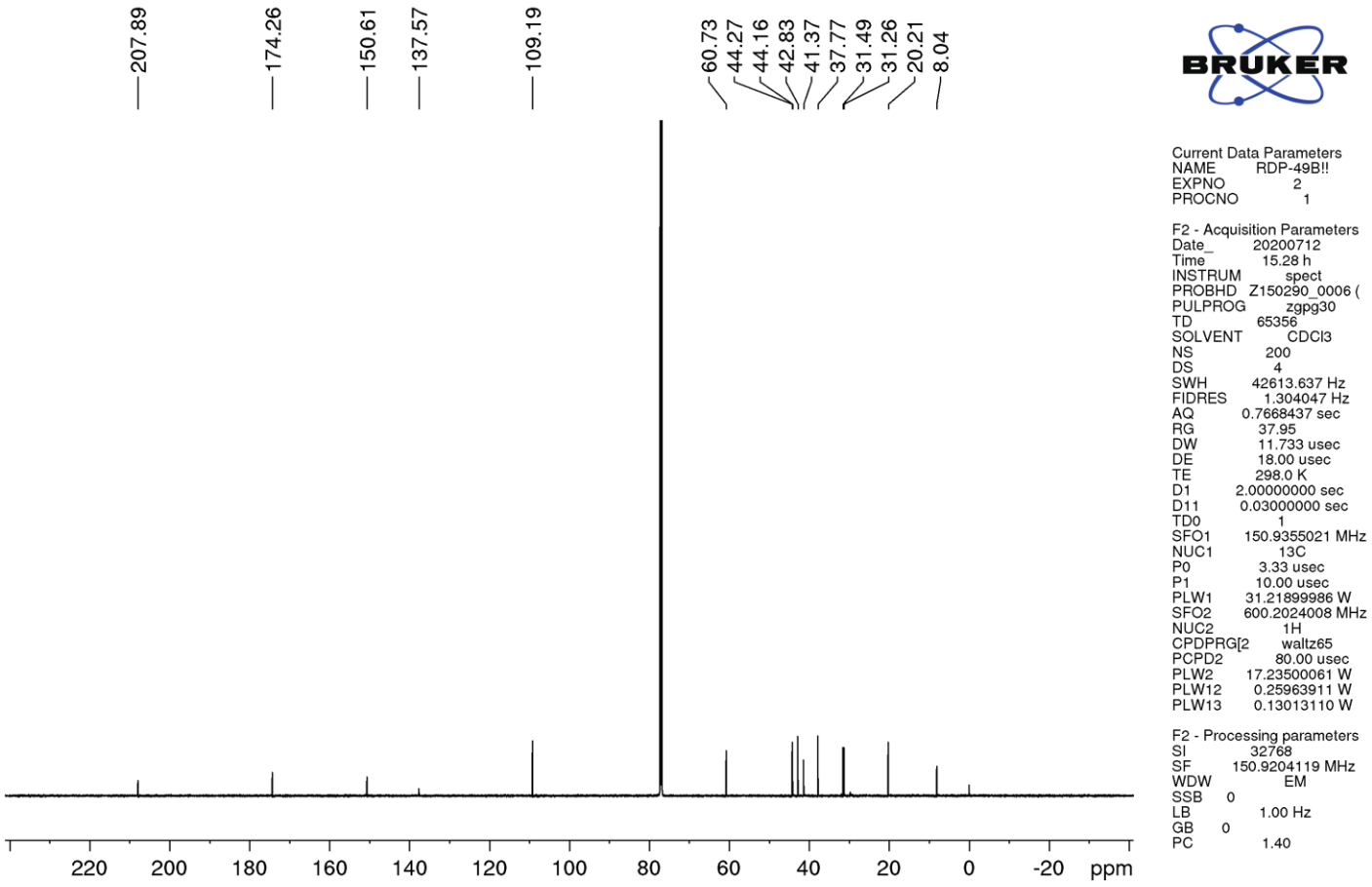
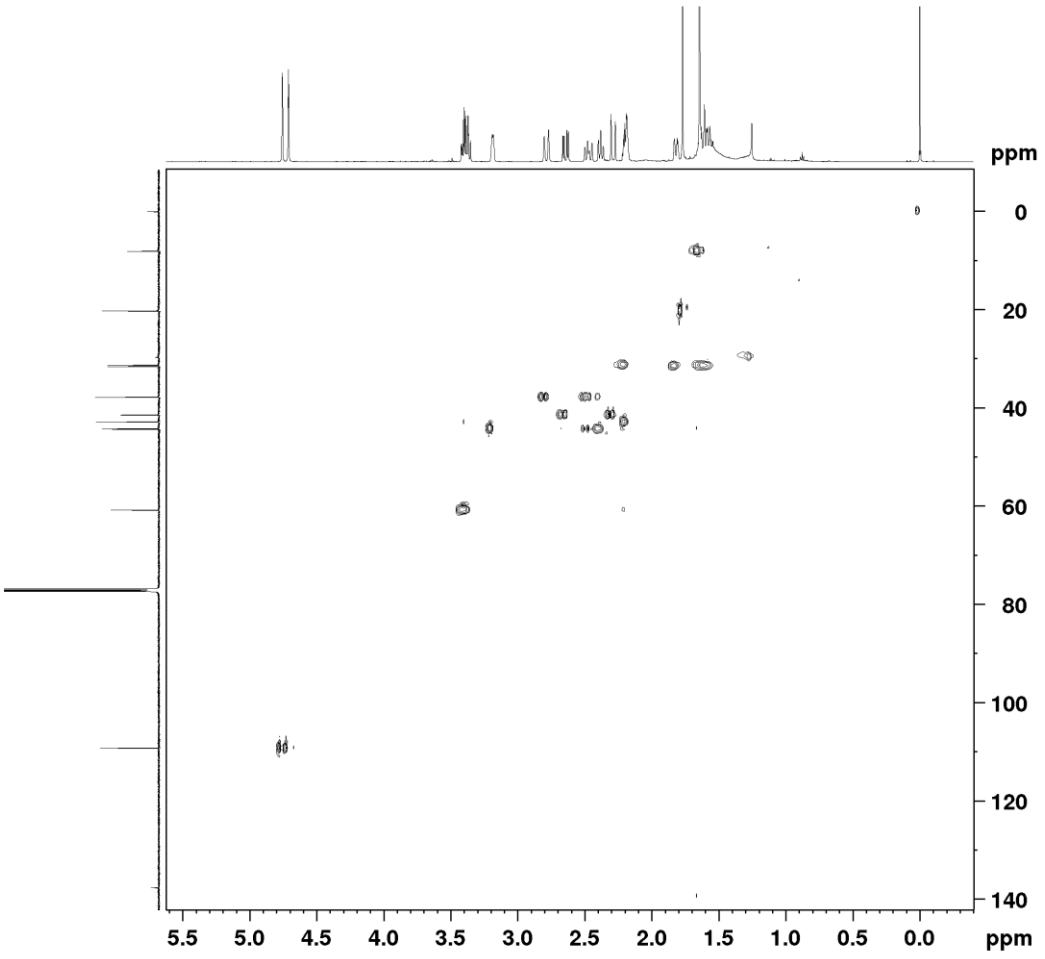
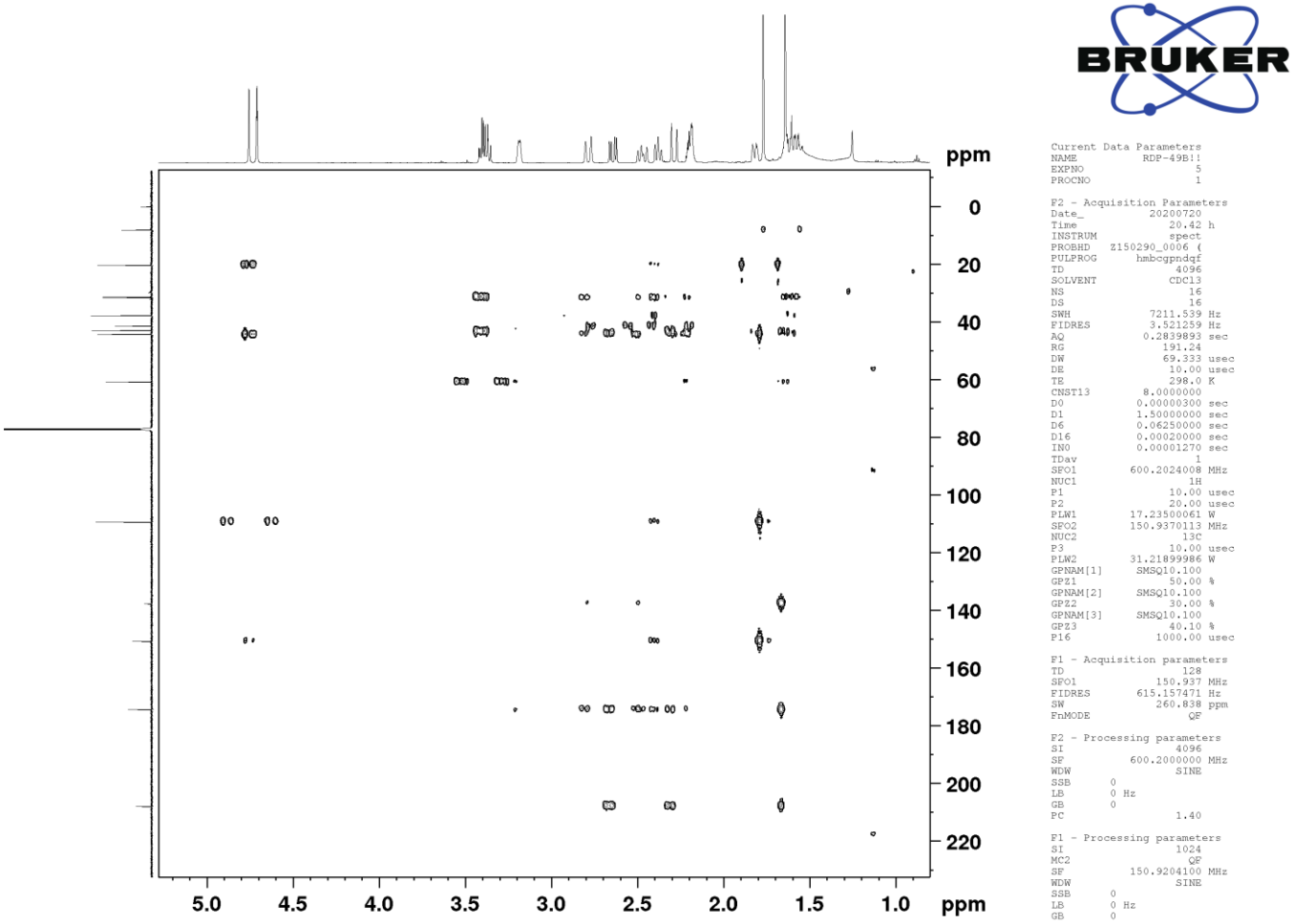


Figure S118 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **18**



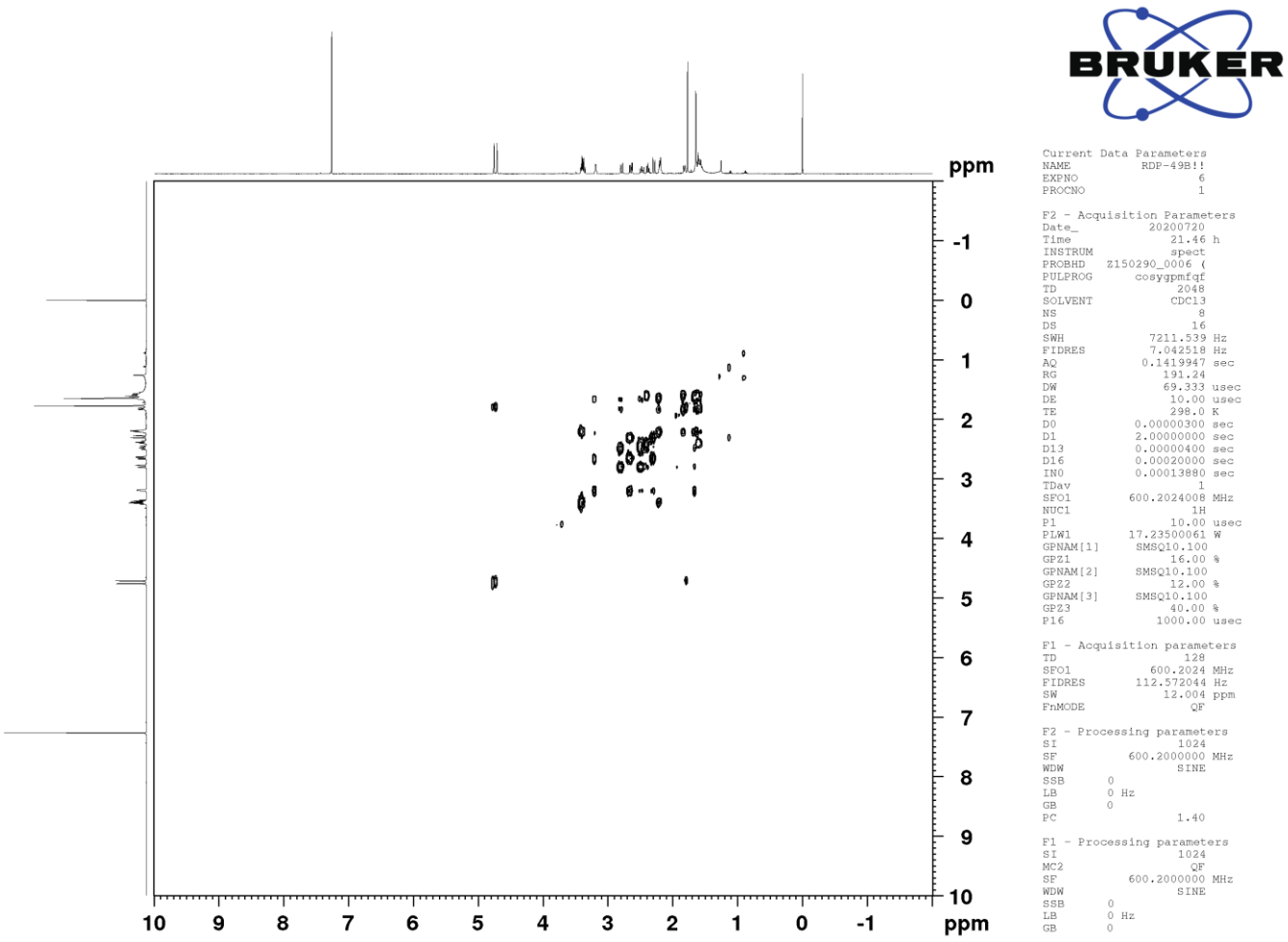

```
Current Data Parameters
NAME            RDP-49B!!
EXPNO                   4
PROCNO                  1

F2 - Acquisition Parameters
Date_            20200720
Time                20.11 h
INSTRUM              spect
PROBHD   Z150298_0006 (
PULPROG  heqcetgpaisp2.2
TD                   2048
SOLVENT              CDCl3
NS                      4
DS                     16
SWH              7211.539 Hz
FIDRES           7.042518 Hz
AQ               0.1419947 sec
RG                  191.24
DW                69.333 usec
DE                  10.00 usec
TE                 298.0 K
CNST2          145.0000000
CNST17          -0.5000000
D0              0.00000300 sec
D1              1.50000000 sec
D4              0.00172414 sec
D11             0.03000000 sec
D16             0.00020000 sec
D24             0.00086200 sec
IN0             0.00001270 sec
TDav                    1
SFO1           600.2024008 MHz
NUC1                    1H
P1                  10.00 usec
P2                  20.00 usec
P28       0 usec
PLW1          17.23500061 W
SFO2         150.9370113 MHz
NUC2                   13C
CPDPRG[2             garp4
P3                  10.00 usec
P14                500.00 usec
P24               2000.00 usec
PCPD2               55.00 usec
PLW0      0 W
PLW2          31.21899986 W
PLW12          1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3   0 Hz
SPW3           4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                0.500
SPOFFS7   0 Hz
SPW7           4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16                1000.00 usec
P19                 600.00 usec

F1 - Acquisition parameters
TD                    256
SFO1           150.937 MHz
FIDRES         307.678795 Hz
SW                260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  QSINE
SSB                      2
LB        0 Hz
GB        0
PC                    1.40

F1 - Processing parameters
SI                   1024
MC2        echo-antiecho
SF            150.9204100 MHz
WDW                  QSINE
SSB                      2
LB        0 Hz
GB        0
```

Figure S119 HSQC spectrum (600 MHz, $CDCl_3$) of compound **18**




```
Current Data Parameters
NAME                 RDP-49B!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200720
Time                     20.42 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG           hmbcgpndqf
TD                       4096
SOLVENT                 CDCl3
NS                         16
DS                         16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
CNST13                8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
PLW1                17.23500061 W
SFO2                150.9370113 MHz
NUC2                        13C
P3                       10.00 usec
PLW2                31.21899986 W
GPNAM[1]             SMSQ10.100
GPZ1                     50.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     30.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                 150.937 MHz
FIDRES               615.157471 Hz
SW                       260.838 ppm
FnMODE                       QF

F2 - Processing parameters
SI                           4096
SF                  600.2000000 MHz
WDW                        SINE
SSB                 0
LB                  0 Hz
GB                  0
PC                           1.40

F1 - Processing parameters
SI                           1024
MC2                          QF
SF                  150.9204100 MHz
WDW                        SINE
SSB                 0
LB                  0 Hz
GB                  0
```

Figure S120 HMBC spectrum (600 MHz, $CDCl_3$) of compound **18**



Current Data Parameters
NAME RDP-49B!!
EXPNO 6
PROCNO 1

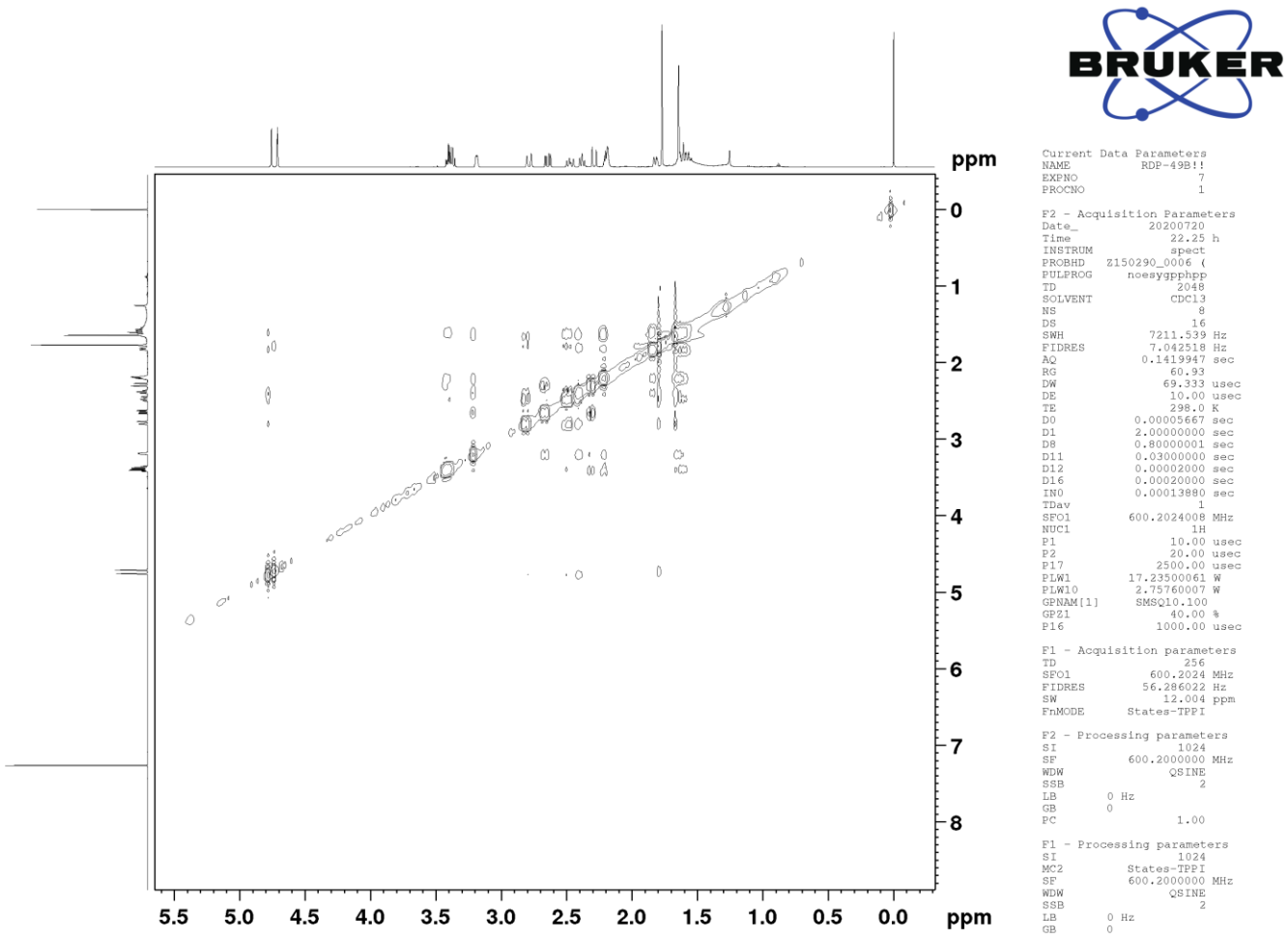
F2 - Acquisition Parameters
Date_ 20200720
Time 21.46 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 8
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
PLW1 17.23500061 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 112.572044 Hz
SW 12.004 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S121 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **18**



Current Data Parameters
NAME RDP-49B!!
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200720
Time 22.25 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG noesygpphpp
TD 2048
SOLVENT CDCl3
NS 8
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 60.93
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00005667 sec
D1 2.00000000 sec
D8 0.80000001 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P17 2500.00 usec
PLW1 17.23500061 W
PLW10 2.75760007 W
GPNAM[1] SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 600.2024 MHz
FIDRES 56.286022 Hz
SW 12.004 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S122 NOESY spectrum (600 MHz, $CDCl_3$) of compound **18**

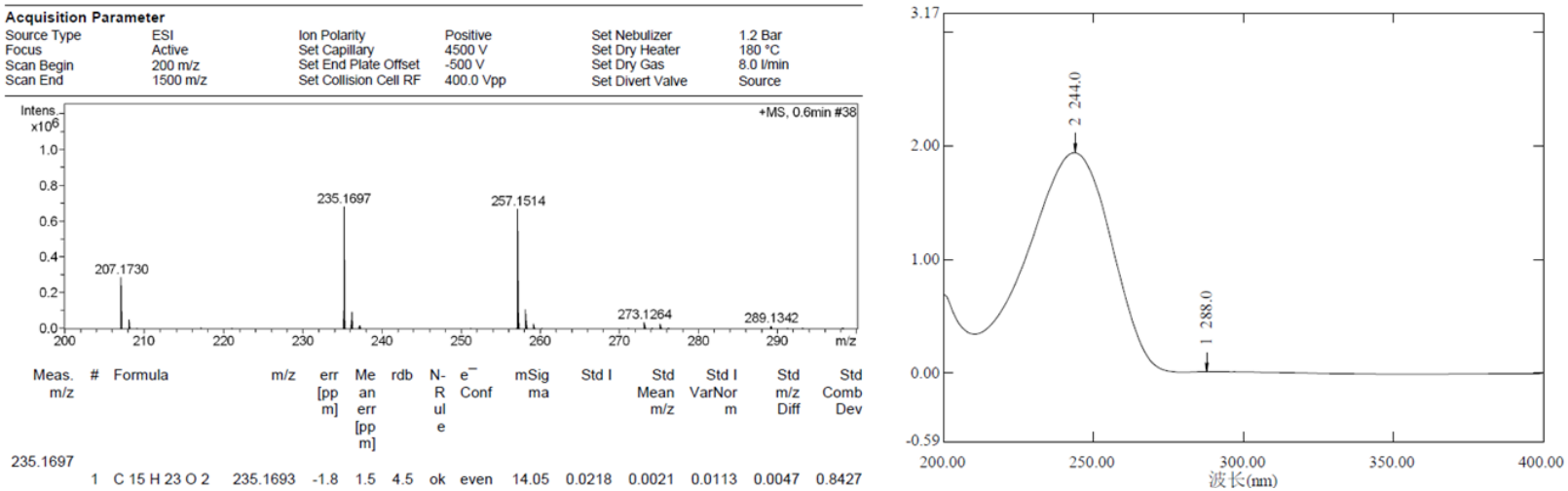


Figure S123 HRESIMS and UV spectra of compound **23**

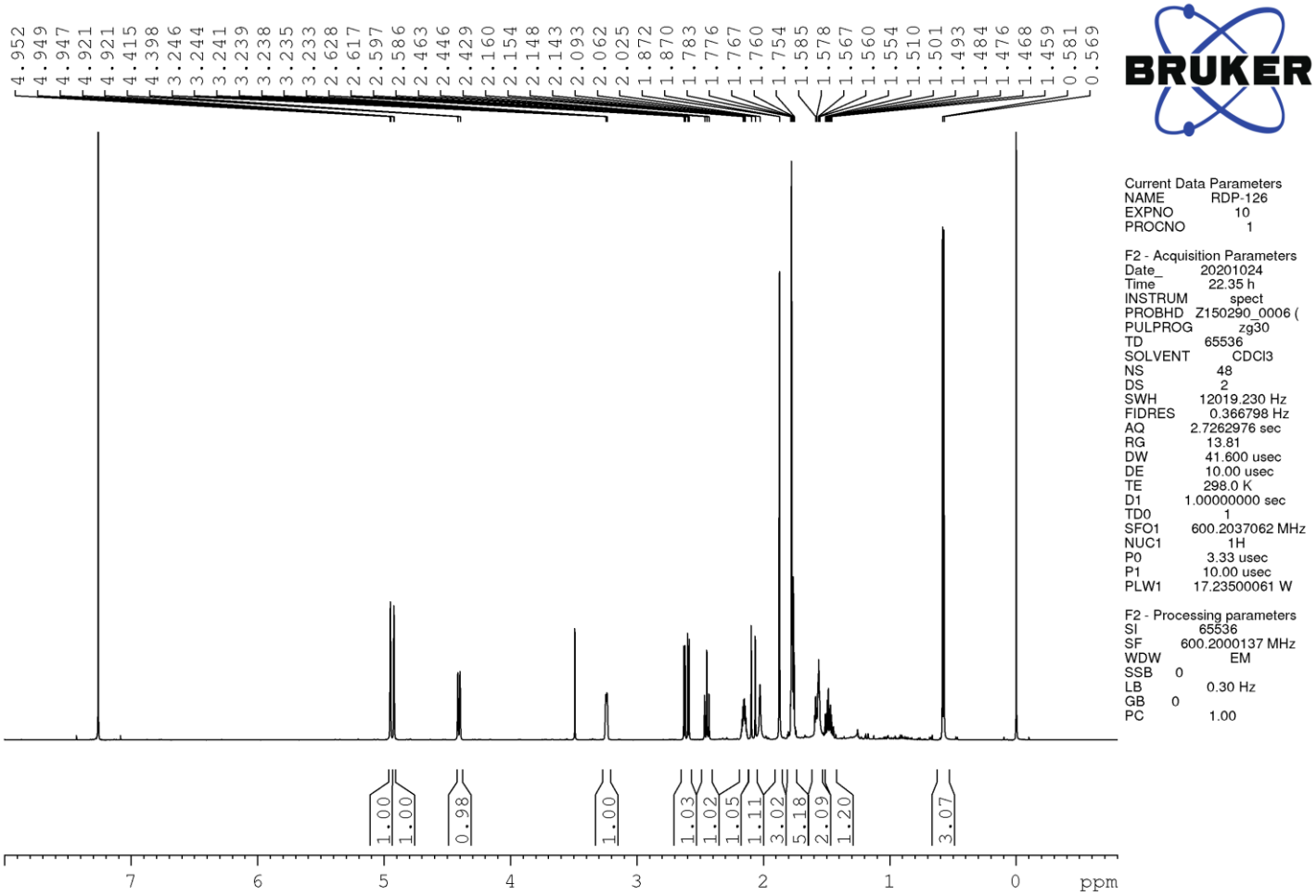


Figure S124 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **23**

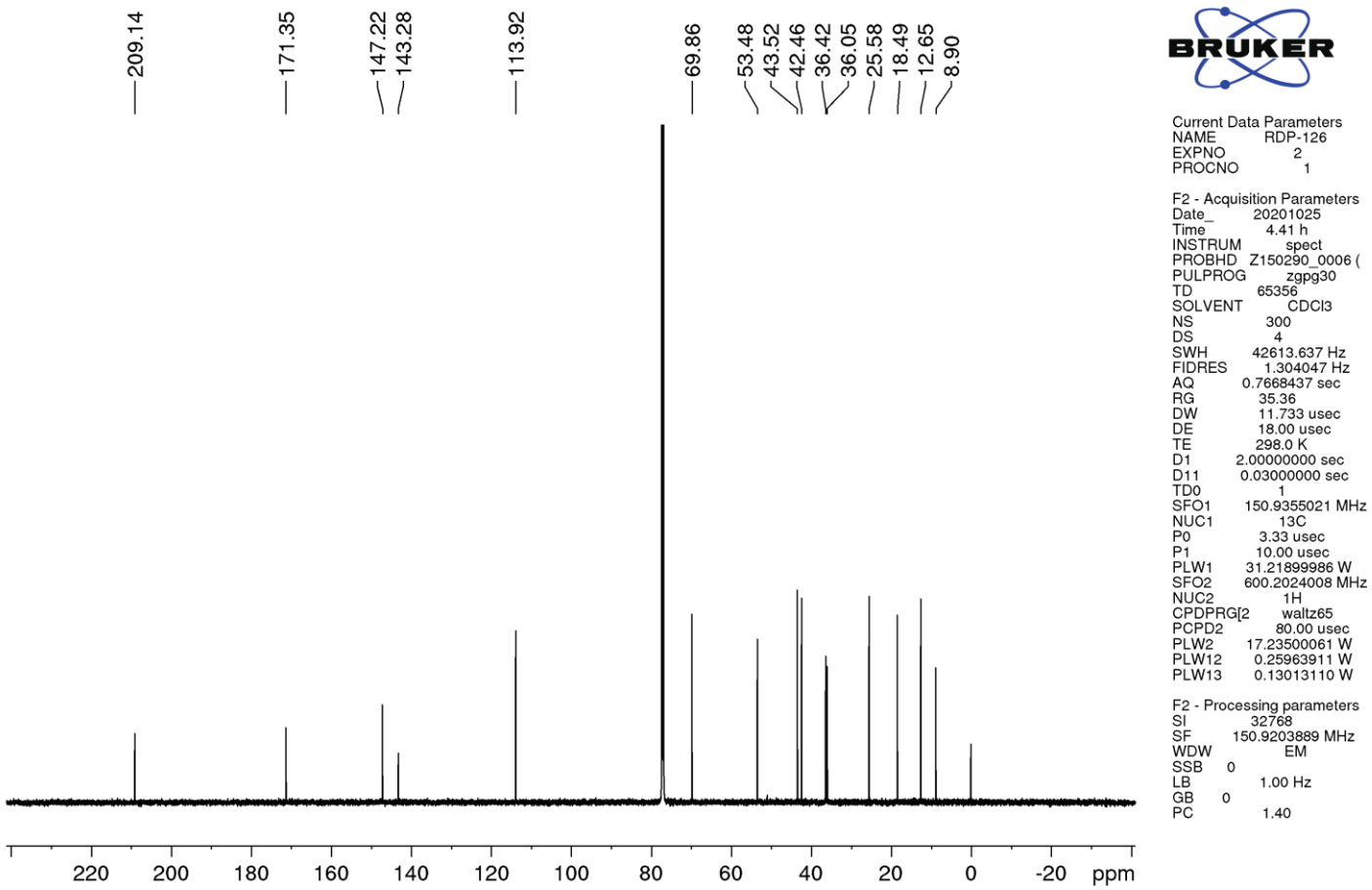
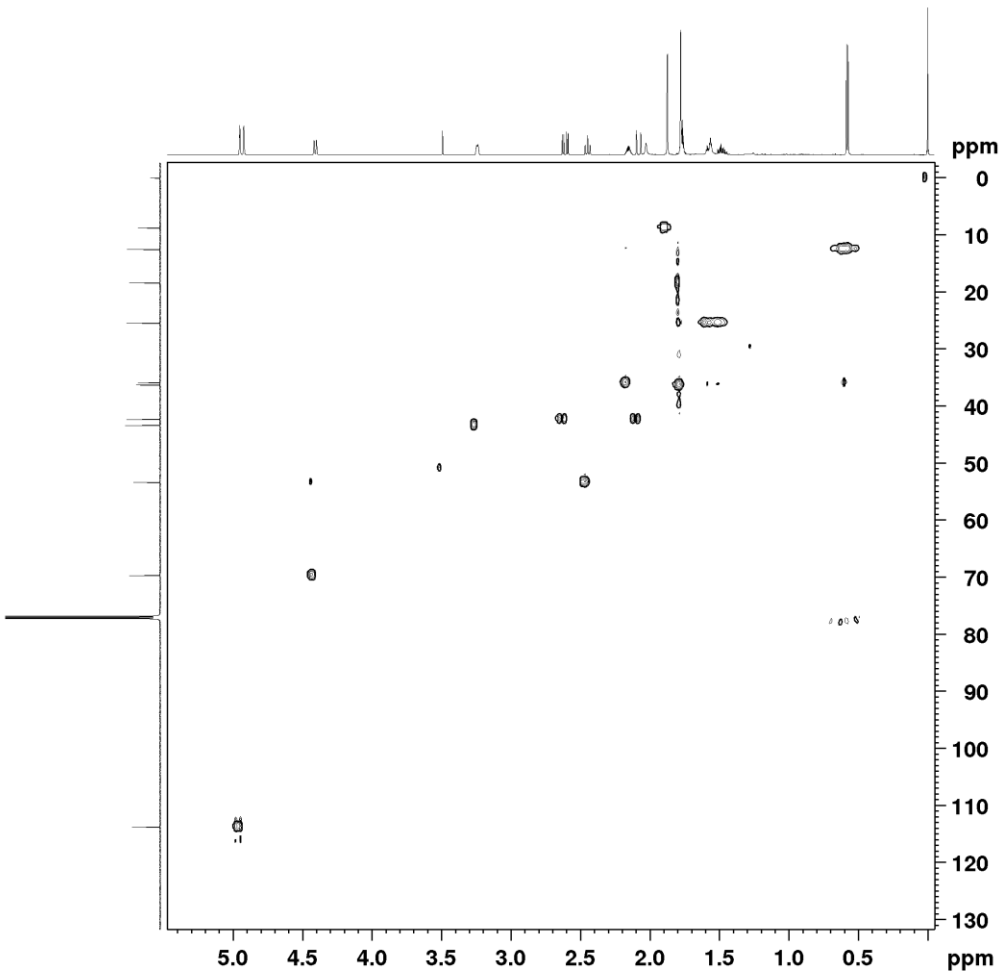


Figure S125 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **23**



Current Data Parameters
NAME RDP-126
EXPNO 4
PROCNO 1

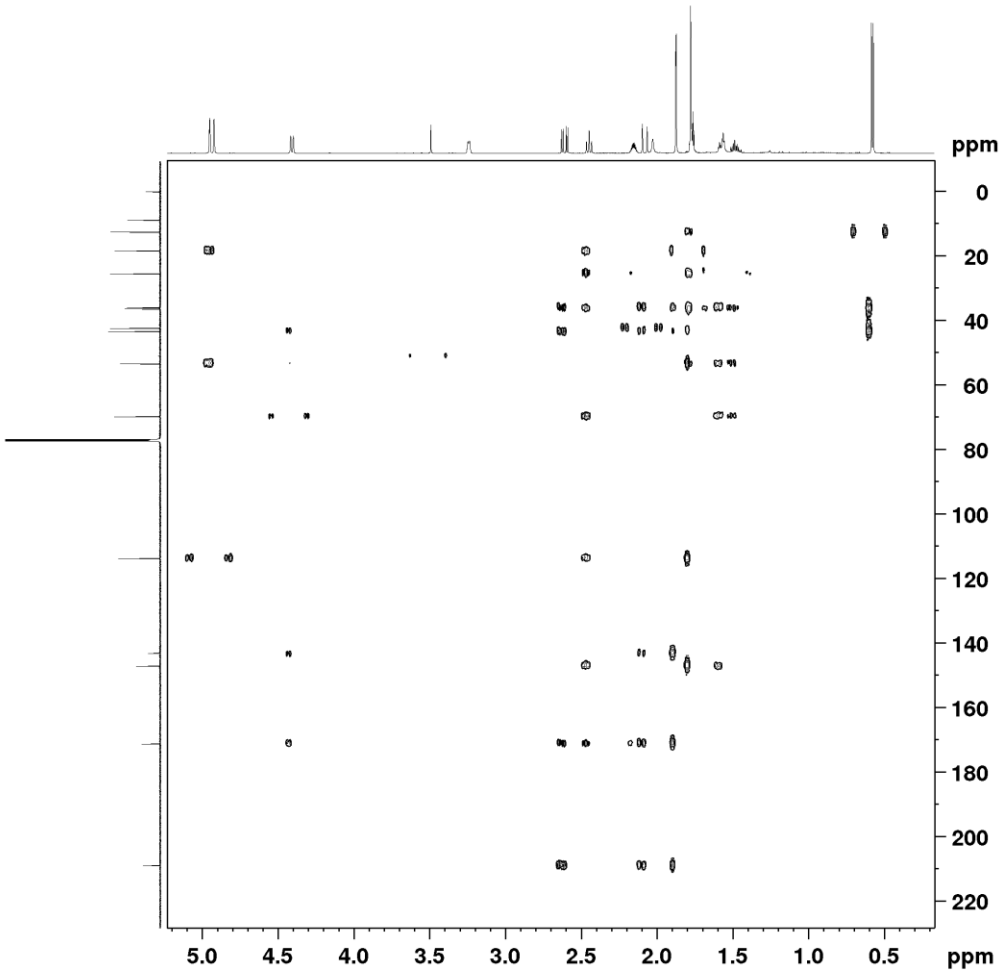
F2 - Acquisition Parameters
Date_ 20201028
Time 23.09 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpsisp2.2
TD 2048
SOLVENT CDCl3
NS 1
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.937 MHz
FIDRES 307.578735 Hz
SW 260.838 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S126 HSQC spectrum (600 MHz, $CDCl_3$) of compound **23**



Current Data Parameters
NAME RDP-126
EXPNO 5
PROCNO 1

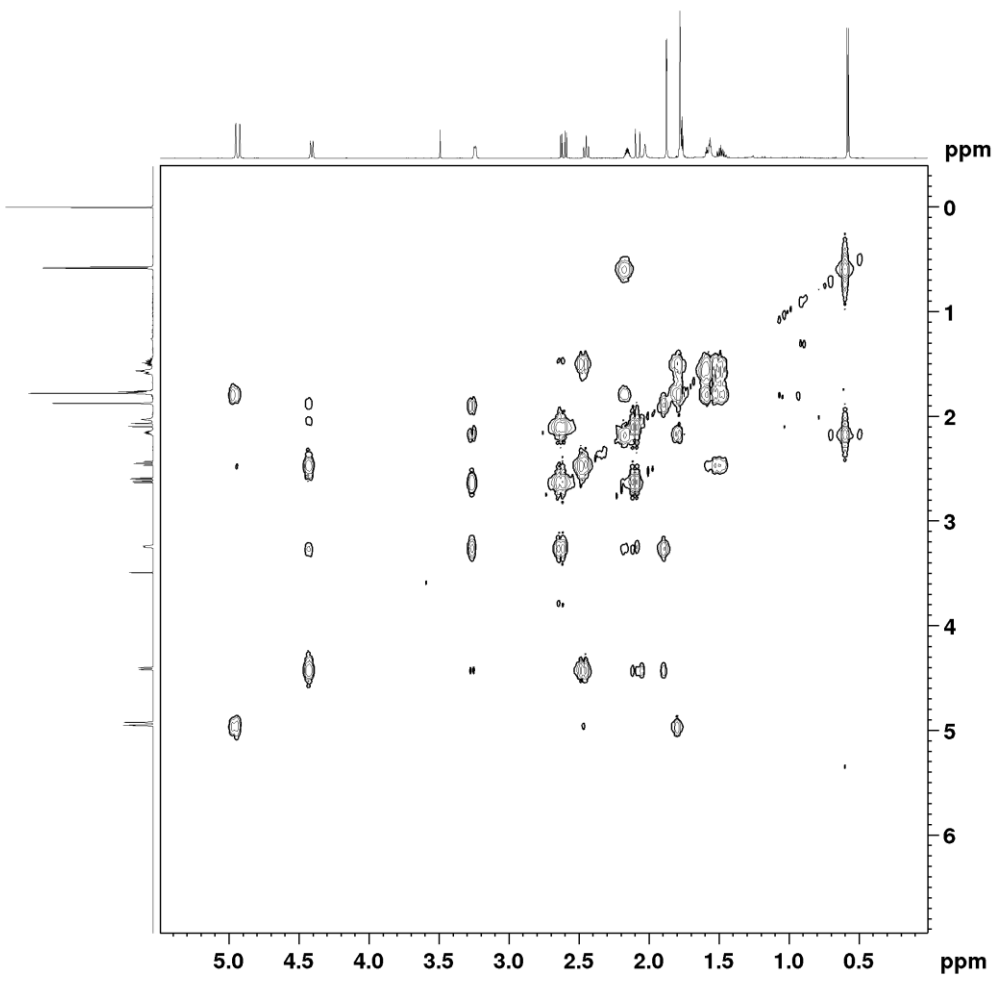
F2 - Acquisition Parameters
Date_ 20201028
Time 23.17 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hmbcgpndqf
TD 4096
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 3.521259 Hz
AQ 0.2839893 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
P3 10.00 usec
PLW2 31.21899986 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 150.937 MHz
FIDRES 615.157471 Hz
SW 260.838 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

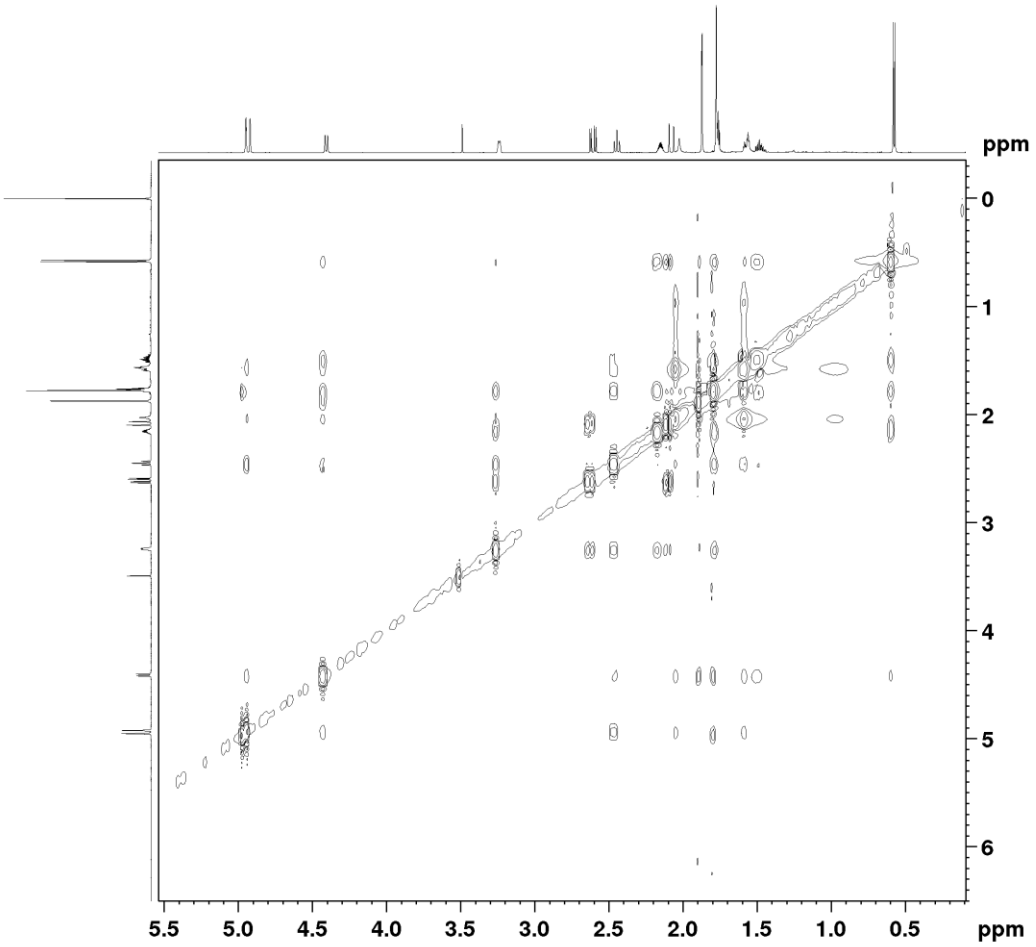
F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9204100 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S127 HMBC spectrum (600 MHz, $CDCl_3$) of compound **23**




```
Current Data Parameters
NAME                  RDP-126
EXPNO                       6
PROCNO                      1

F2 - Acquisition Parameters
Date_               20201028
Time                   23.26 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG          cosygpmfqf
TD                       2048
SOLVENT                 CDCl3
NS                          2
DS                         16
SWH                 7211.539 Hz
FIDRES              7.042518 Hz
AQ                  0.1419947 sec
RG                     191.24
DW                     69.333 usec
DE                     10.00 usec
TE                     298.0 K
D0                  0.00000300 sec
D1                  2.00000000 sec
D13                 0.00000400 sec
D16                 0.00020000 sec
IN0                 0.00013880 sec
TDav                        1
SFO1               600.2024008 MHz
NUC1                       1H
P1                     10.00 usec
PLW1               17.23500061 W
GPNAM[1]            SMSQ10.100
GPZ1                   16.00 %
GPNAM[2]            SMSQ10.100
GPZ2                   12.00 %
GPNAM[3]            SMSQ10.100
GPZ3                   40.00 %
P16                  1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                     12.004 ppm
FnMODE                     QF

F2 - Processing parameters
SI                        1024
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S128 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **23**




```
Current Data Parameters
NAME                  RDP-126
EXPNO                       7
PROCNO                      1

F2 - Acquisition Parameters
Date_              20201028
Time                  23.36 h
INSTRUM                spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                       2048
SOLVENT                 CDCl3
NS                          2
DS                         16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                       60.93
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
D0                   0.00005667 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                        1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
P17                    2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]            SMSQ10.100
GPZ1                    40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                      12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                        1024
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                        1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S129 NOESY spectrum (600 MHz, $CDCl_3$) of compound **23**

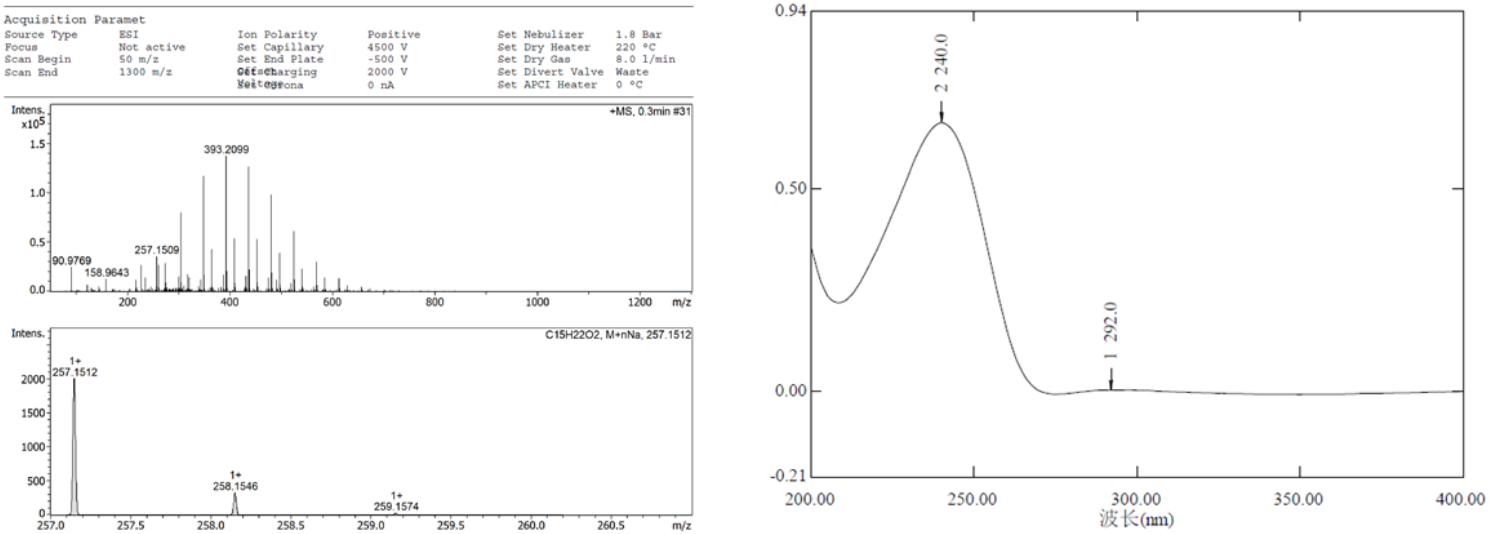


Figure S130 HRESIMS and UV spectra of compound **24**

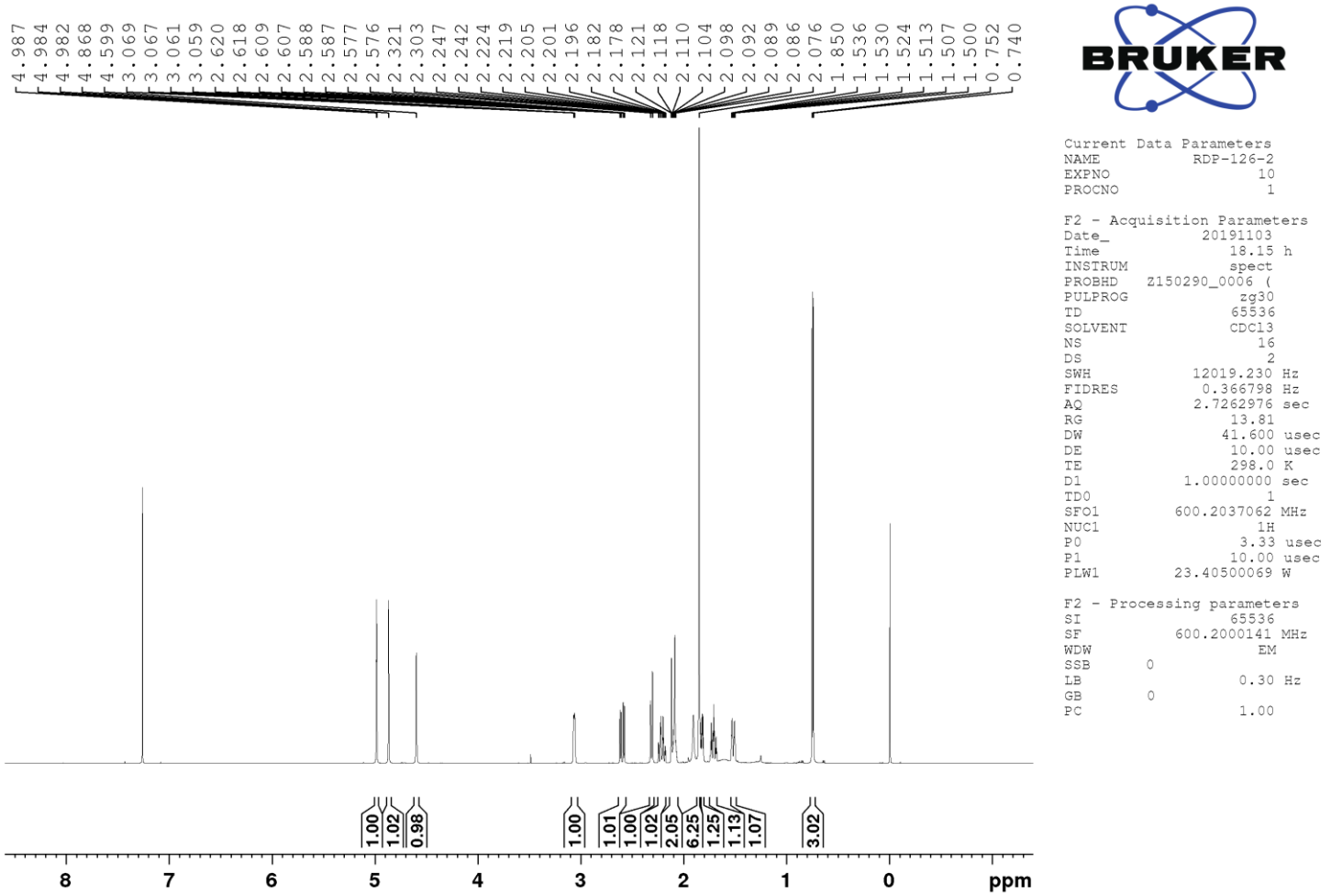


Figure S131 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **24**

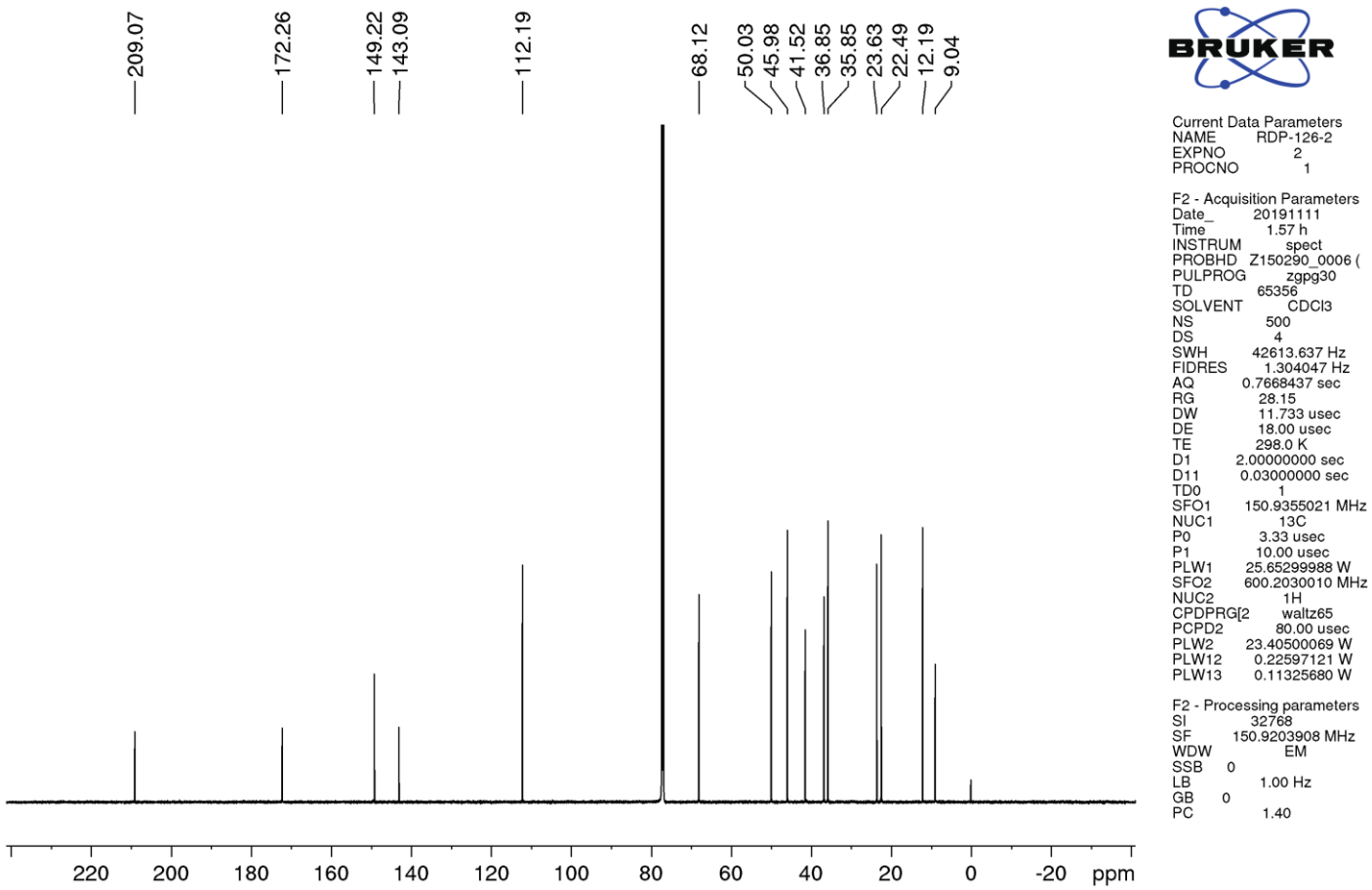
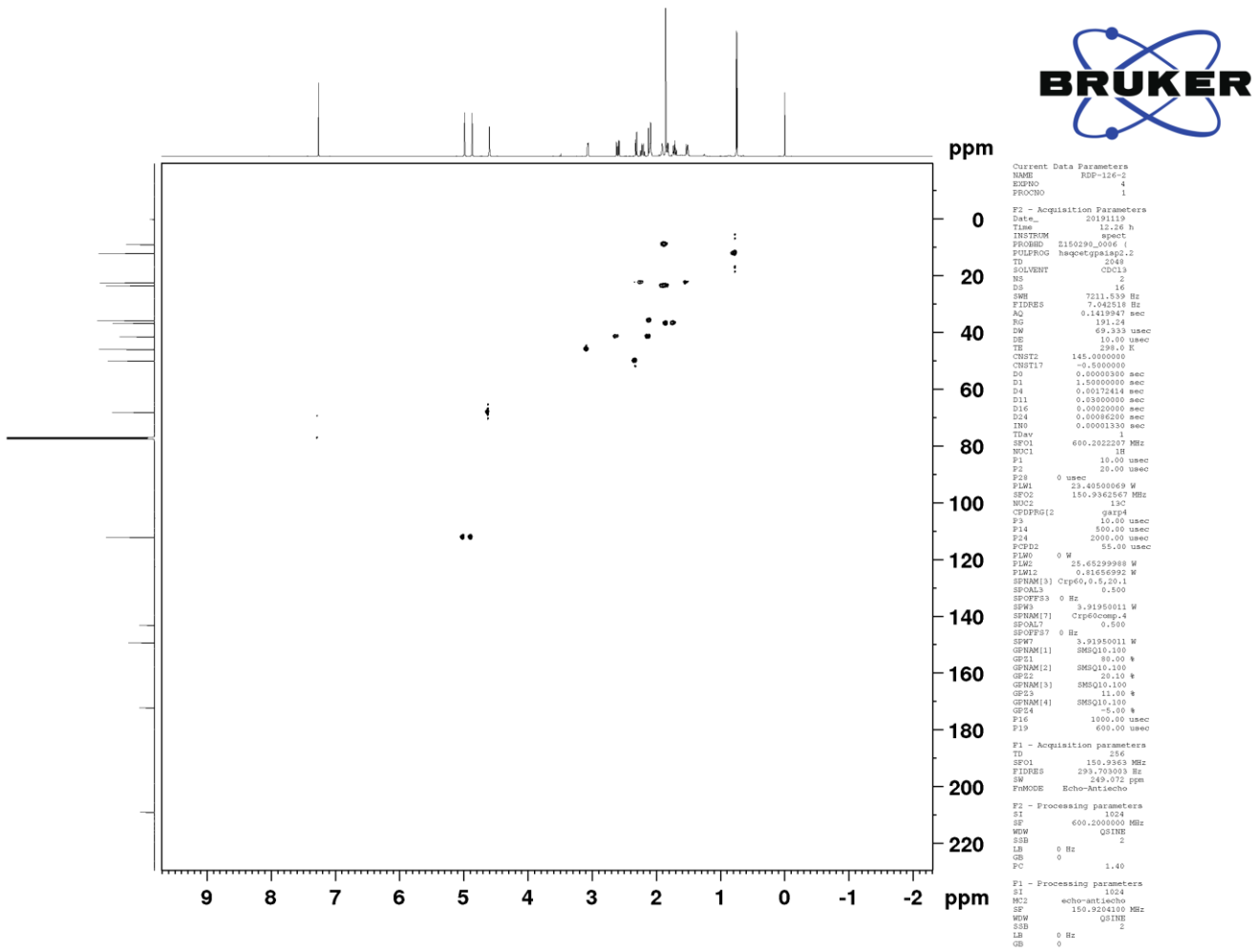


Figure S132 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **24**



Current Data Parameters
NAME RDP-126-2
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters
Date_ 20191119
Time 12.26 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001330 sec
TDav 1
SFO1 600.2022207 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 23.40500069 W
SFO2 150.9362567 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 25.65299988 W
PLW12 0.81656992 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 3.91950011 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 3.91950011 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.9363 MHz
FIDRES 293.703003 Hz
SW 249.072 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S133 HSQC spectrum (600 MHz, $CDCl_3$) of compound **24**

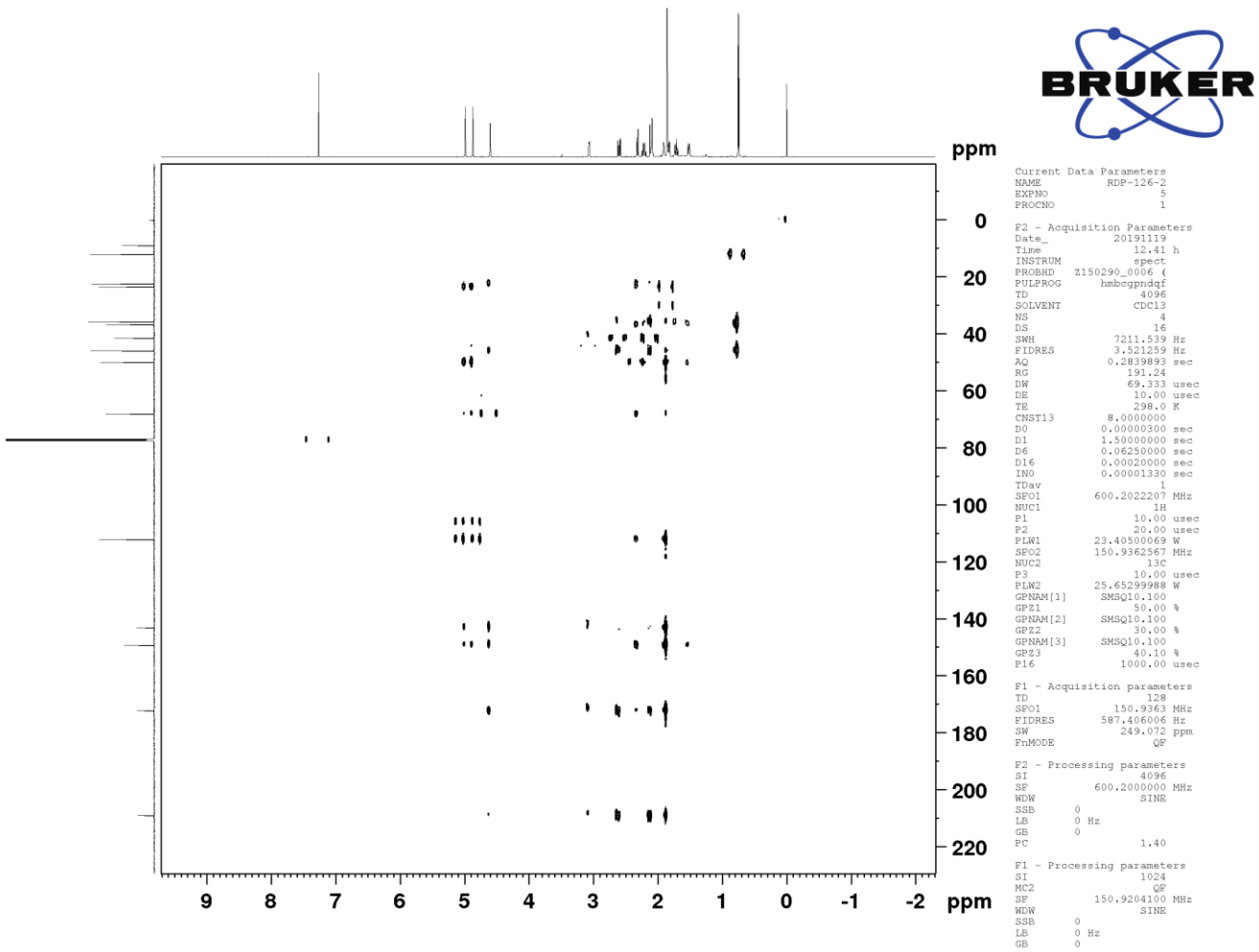
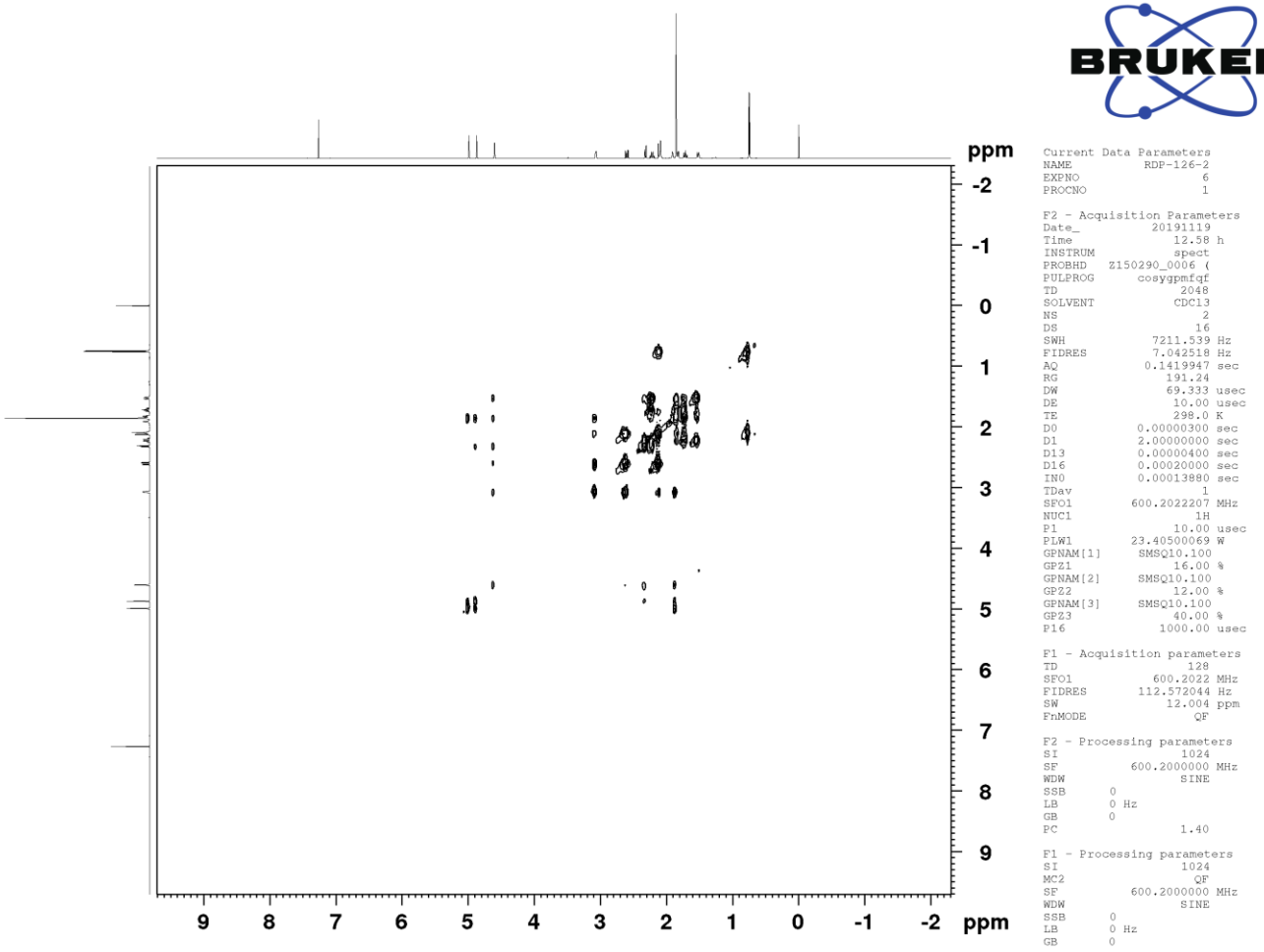
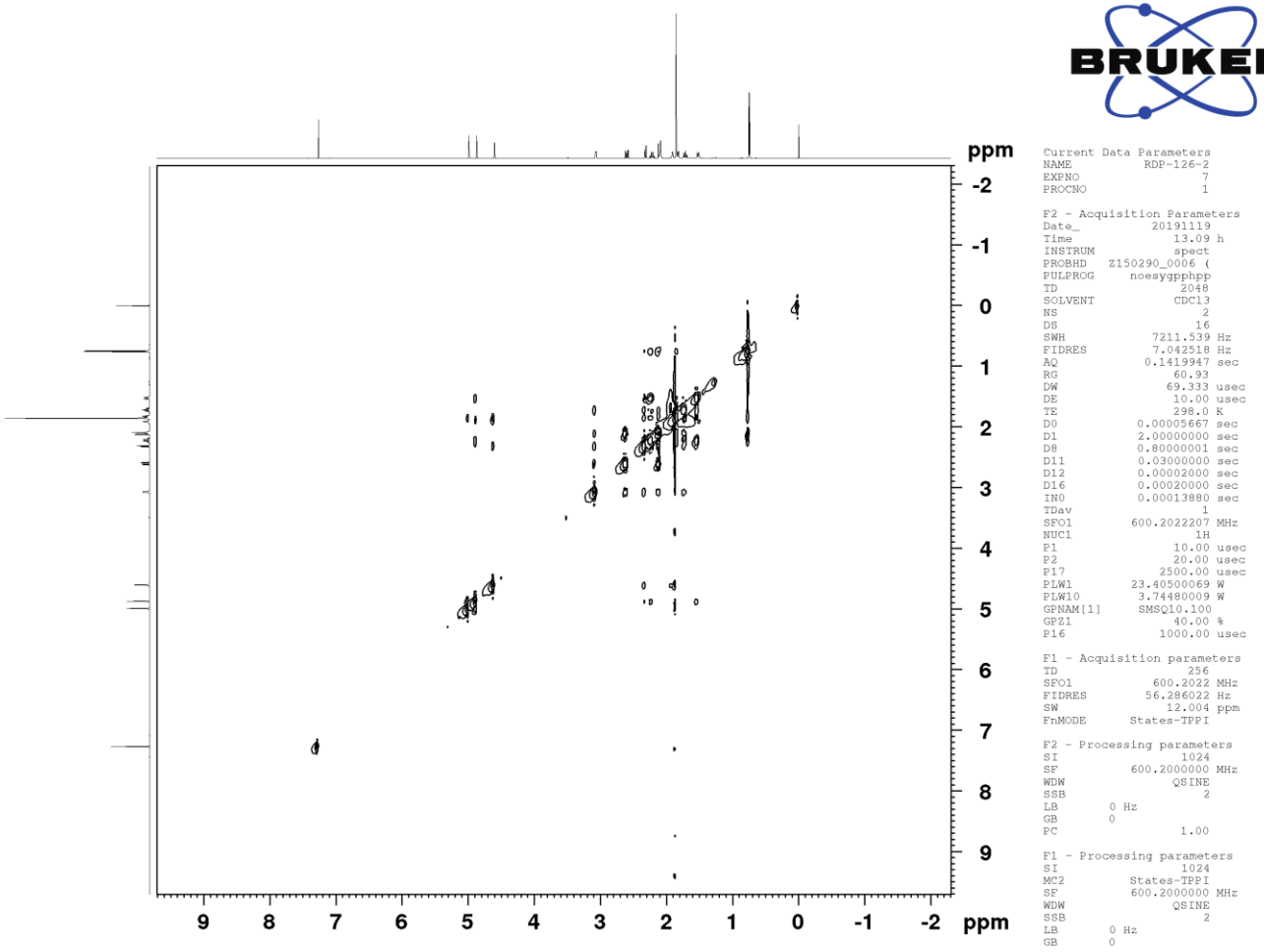


Figure S134 HMBC spectrum (600 MHz, $CDCl_3$) of compound **24**




```
Current Data Parameters
NAME                  RDP-126-2
EXPNO                         6
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20191119
Time                      12.58 h
INSTRUM                    spect
PROBHD    Z150290_0006 (
PULPROG              cosygpmfqf
TD                          2048
SOLVENT                   CDCl3
NS                            2
DS                           16
SWH                    7211.539 Hz
FIDRES                 7.042518 Hz
AQ                     0.1419947 sec
RG                        191.24
DW                        69.333 usec
DE                        10.00 usec
TE                        298.0 K
D0                     0.00000300 sec
D1                     2.00000000 sec
D13                    0.00000400 sec
D16                    0.00020000 sec
IN0                    0.00013880 sec
TDav                          1
SFO1                 600.2022207 MHz
NUC1                         1H
P1                        10.00 usec
PLW1                23.40500069 W
GPNAM[1]              SMSQ10.100
GPZ1                      16.00 %
GPNAM[2]              SMSQ10.100
GPZ2                      12.00 %
GPNAM[3]              SMSQ10.100
GPZ3                      40.00 %
P16                     1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                  600.2022 MHz
FIDRES               112.572044 Hz
SW                        12.004 ppm
FnMODE                       QF

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        SINE
SSB          0
LB           0 Hz
GB           0
PC                         1.40

F1 - Processing parameters
SI                          1024
MC2                          QF
SF                  600.2000000 MHz
WDW                        SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S135 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **24**



Current Data Parameters
NAME RDP-126-2
EXPNO 7
PROCNO 1

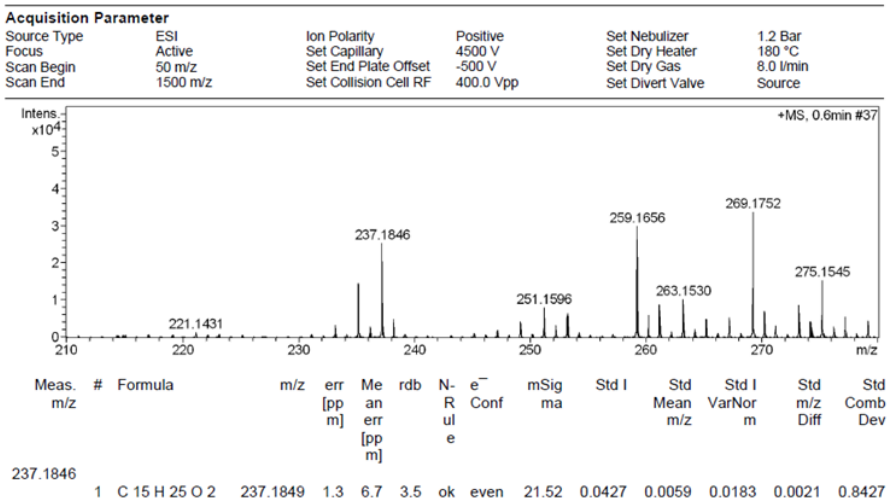
F2 - Acquisition Parameters
Date_ 20191119
Time 13.09 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG noesygpphpp
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 60.93
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00005667 sec
D1 2.00000000 sec
D8 0.80000001 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2022207 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P17 2500.00 usec
PLW1 23.40500069 W
PLW10 3.74480009 W
GPNAM[1] SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 256
SFO1 600.2022 MHz
FIDRES 56.286022 Hz
SW 12.004 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S136 NOESY spectrum (600 MHz, $CDCl_3$) of compound **24**



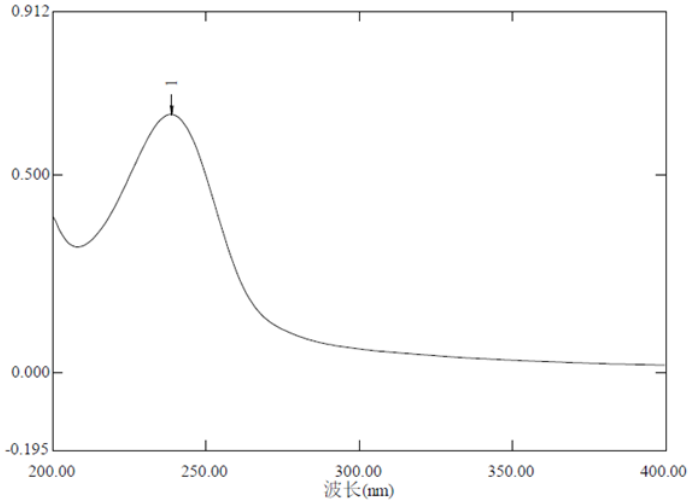


Figure S137 HRESIMS and UV spectra of compound **25**

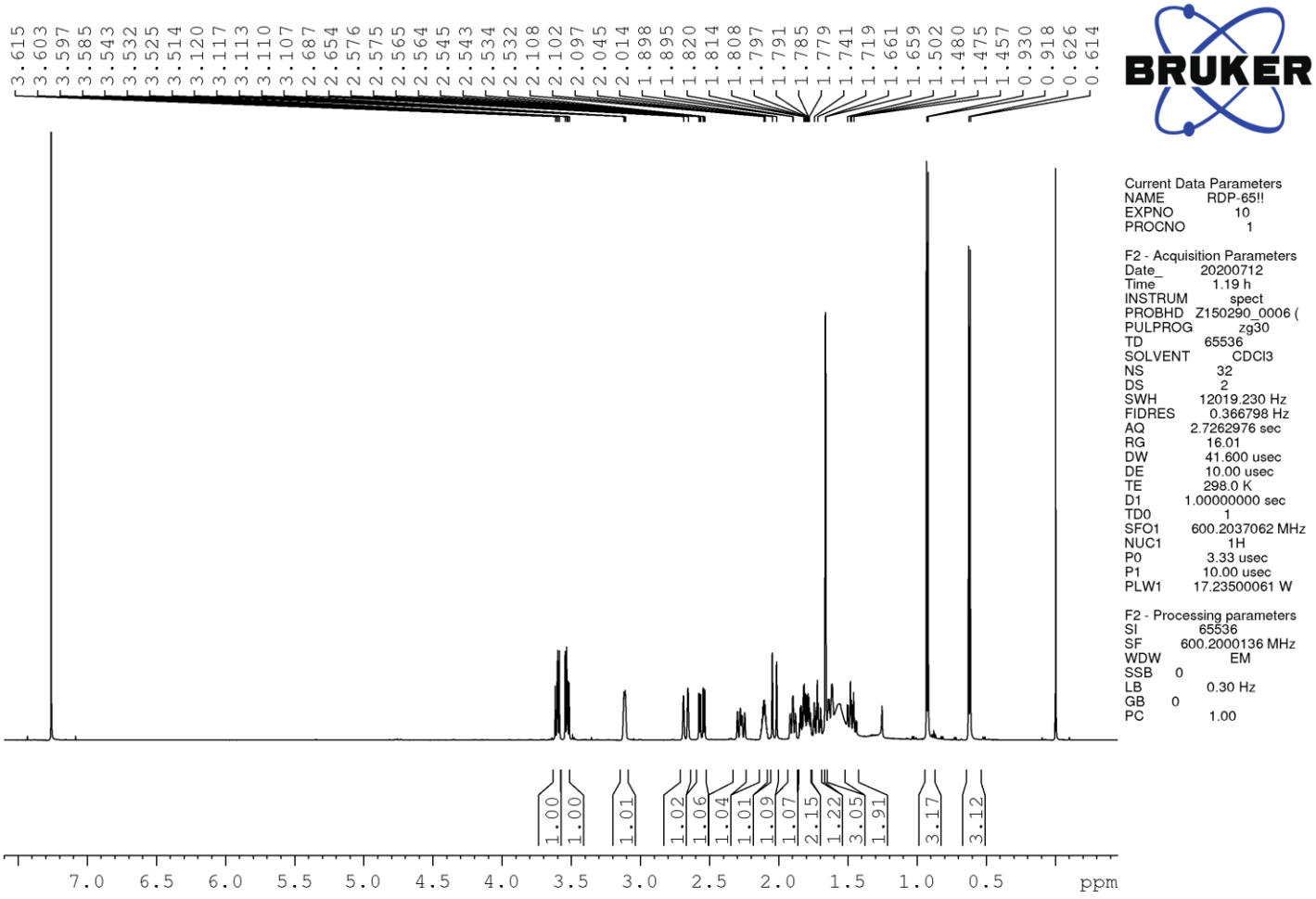


Figure S138 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **25**

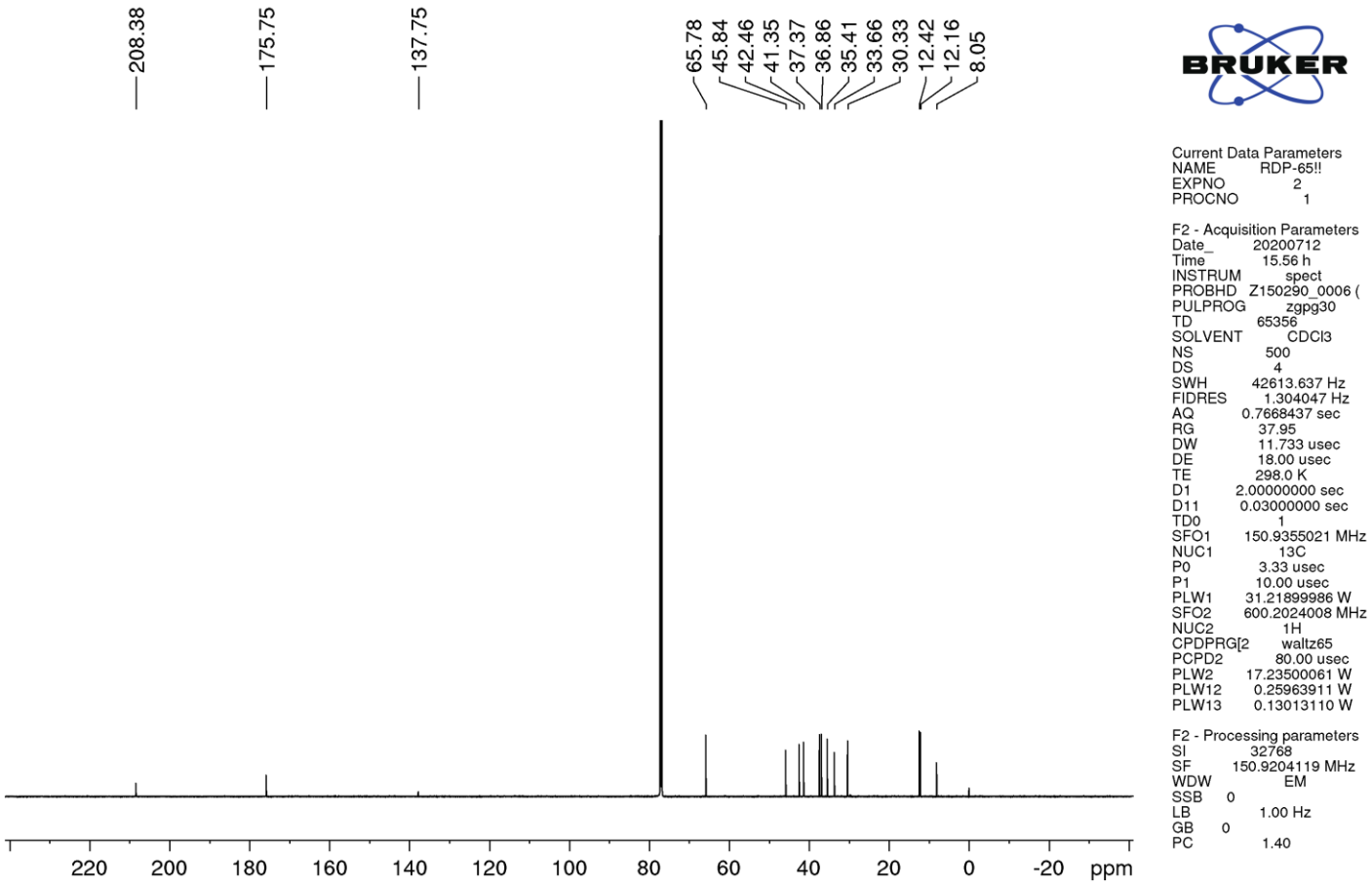
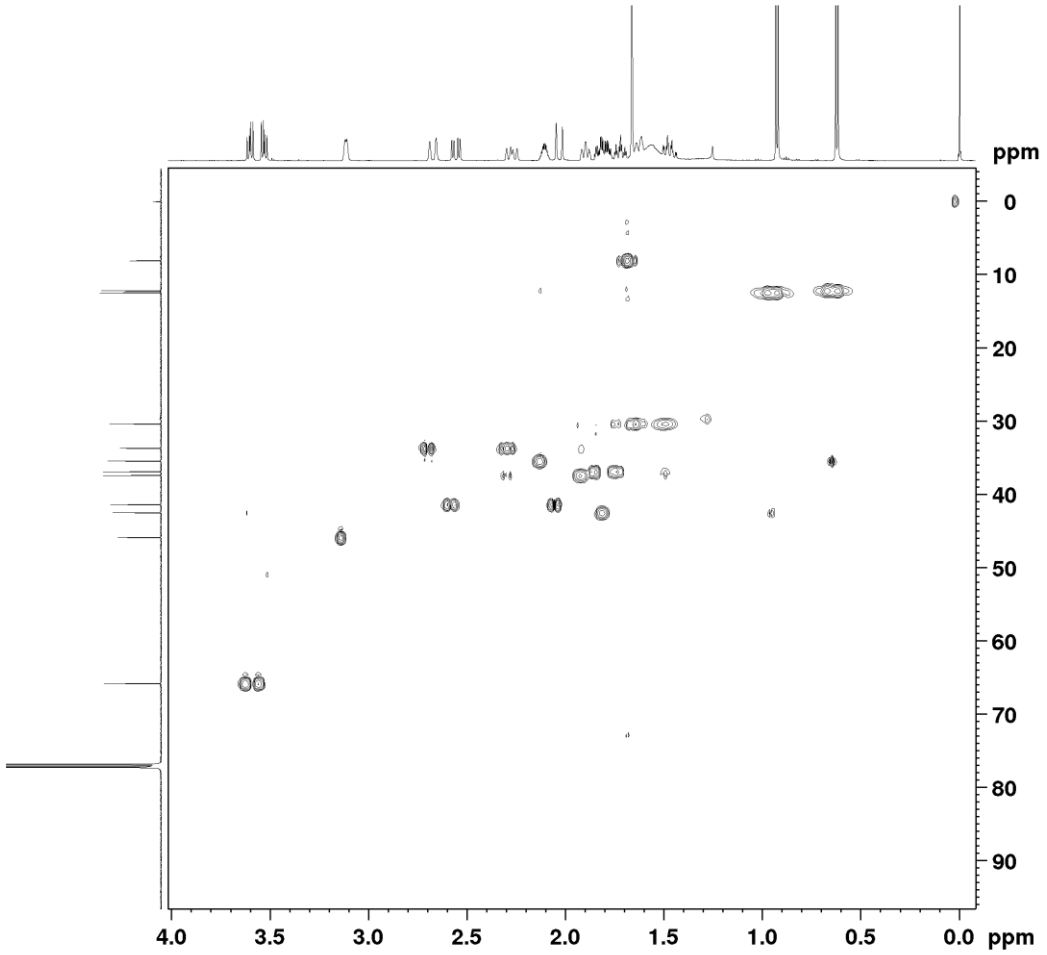
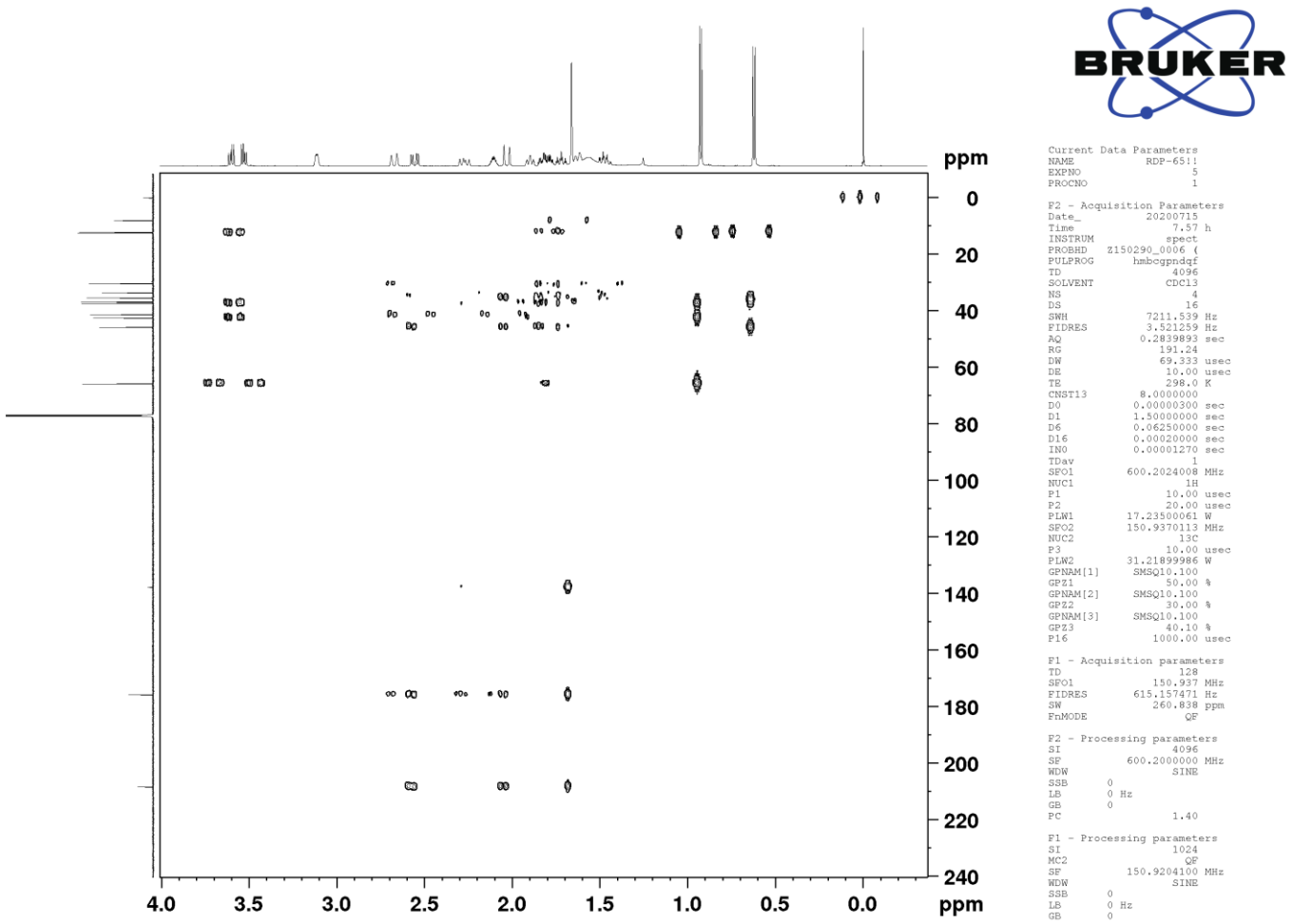


Figure S139 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **25**



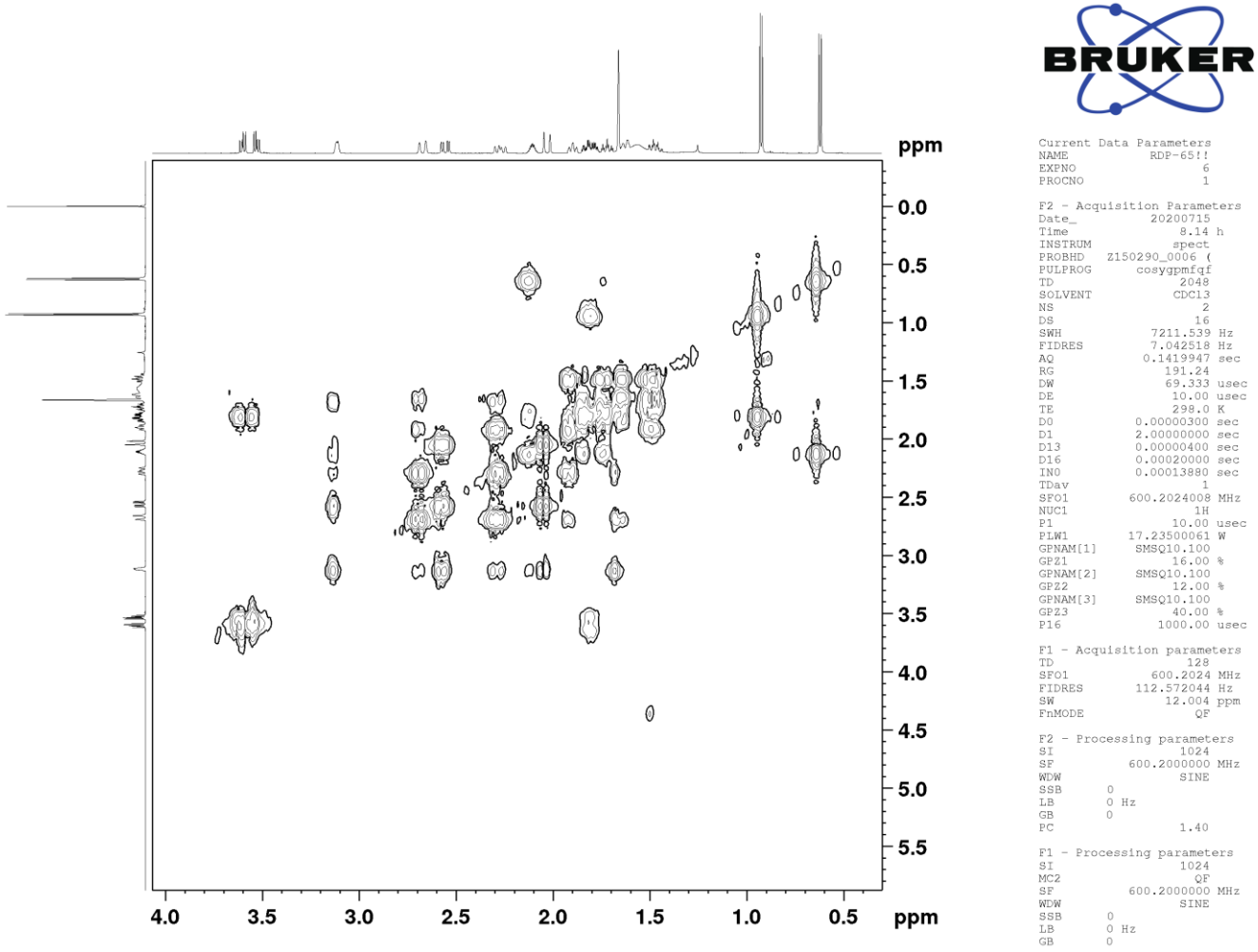

```
Current Data Parameters
NAME            RDP-651!
EXPNO                   4
PROCNO                  1

F2 - Acquisition Parameters
Date_          20200715
Time               7.41 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG  heqcetgpaisp2.2
TD                   2048
SOLVENT             CDCl3
NS                      2
DS                     16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                 191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
CNST2          145.0000000
CNST17          -0.5000000
D0              0.00000300 sec
D1              1.50000000 sec
D4              0.00172414 sec
D11             0.03000000 sec
D16             0.00020000 sec
D24             0.00086200 sec
IN0             0.00001270 sec
TDav                    1
SFO1           600.2024008 MHz
NUC1                    1H
P1                    10.00 usec
P2                    20.00 usec
P28        0 usec
PLW1          17.23500061 W
SFO2          150.9370113 MHz
NUC2                   13C
CPDPRG[2              garp4
P3                    10.00 usec
P14                  500.00 usec
P24                 2000.00 usec
PCPD2                 55.00 usec
PLW0       0 W
PLW2          31.21899986 W
PLW12          1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3    0 Hz
SPW3           4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                0.500
SPOFFS7    0 Hz
SPW7           4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16                1000.00 usec
P19                 600.00 usec

F1 - Acquisition parameters
TD                    256
SFO1           150.937 MHz
FIDRES         307.578795 Hz
SW                260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  QSINE
SSB                     2
LB         0 Hz
GB         0
PC                   1.40

F1 - Processing parameters
SI                   1024
MC2        echo-antiecho
SF            150.9204100 MHz
WDW                  QSINE
SSB                     2
LB         0 Hz
GB         0
```

Figure S140 HSQC spectrum (600 MHz, $CDCl_3$) of compound **25**



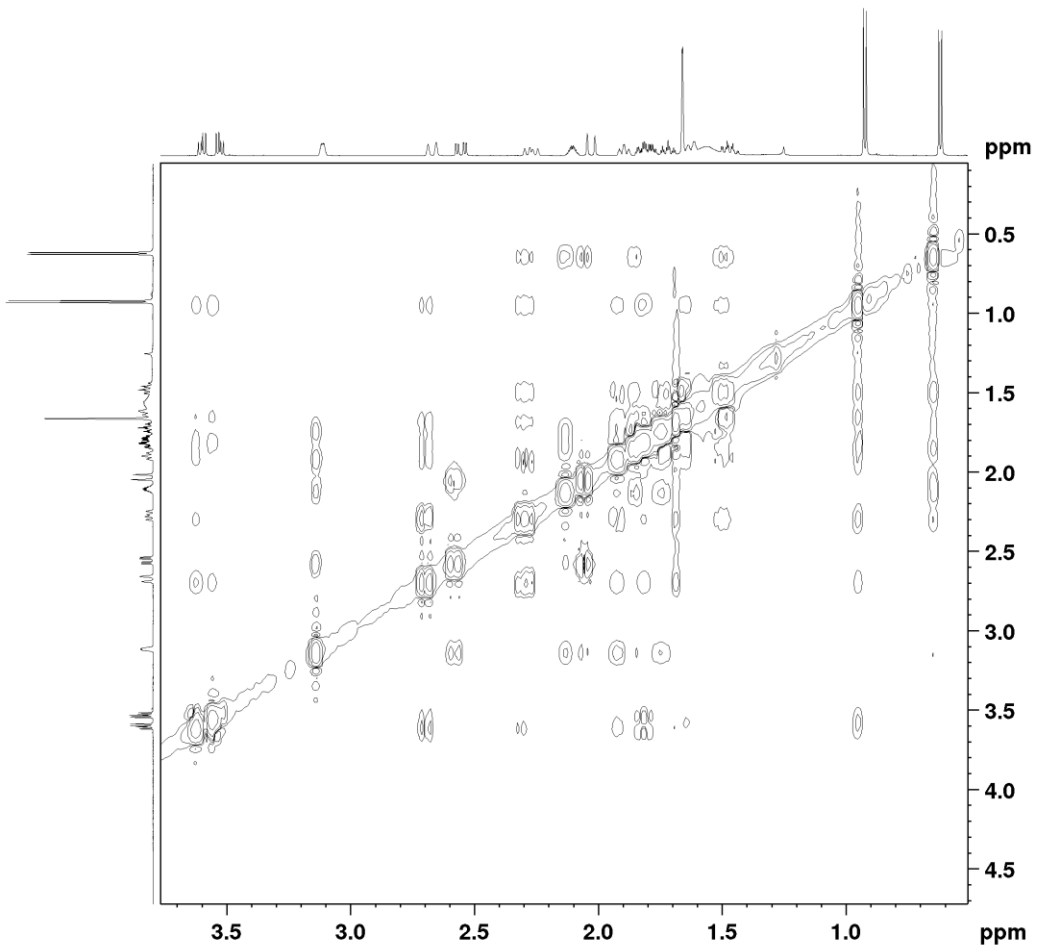

```
Current Data Parameters
NAME                  RDP-65!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200715
Time                      7.57 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG           hmbcgpndqf
TD                        4096
SOLVENT                   CDCl3
NS                           4
DS                          16
SWH                   7211.539 Hz
FIDRES                3.521259 Hz
AQ                    0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
CNST13                8.0000000
D0                    0.00000300 sec
D1                    1.50000000 sec
D6                    0.06250000 sec
D16                   0.00020000 sec
IN0                   0.00001270 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
PLW1                17.23500061 W
SFO2                150.9370113 MHz
NUC2                        13C
P3                       10.00 usec
PLW2                31.21899986 W
GPNAM[1]             SMSQ10.100
GPZ1                     50.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     30.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                150.937 MHz
FIDRES              615.157471 Hz
SW                     260.838 ppm
FnMODE                      QF

F2 - Processing parameters
SI                        4096
SF                  600.2000000 MHz
WDW                       SINE
SSB                  0
LB                   0 Hz
GB                   0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                  150.9204100 MHz
WDW                       SINE
SSB                  0
LB                   0 Hz
GB                   0
```

Figure S141 HMBC spectrum (600 MHz, $CDCl_3$) of compound **25**




```
Current Data Parameters
NAME            RDP-65!!
EXPNO                  6
PROCNO                 1

F2 - Acquisition Parameters
Date_           20200715
Time                8.14 h
INSTRUM            spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ             0.1419947 sec
RG                191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0             0.00000300 sec
D1             2.00000000 sec
D13            0.00000400 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                   1
SFO1         600.2024008 MHz
NUC1                  1H
P1                 10.00 usec
PLW1        17.23500061 W
GPNAM[1]      SMSQ10.100
GPZ1               16.00 %
GPNAM[2]      SMSQ10.100
GPZ2               12.00 %
GPNAM[3]      SMSQ10.100
GPZ3               40.00 %
P16              1000.00 usec

F1 - Acquisition parameters
TD                   128
SFO1            600.2024 MHz
FIDRES        112.572044 Hz
SW                12.004 ppm
FnMODE                QF

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
PC                  1.40

F1 - Processing parameters
SI                   1024
MC2                    QF
SF            600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S142 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **25**



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```
Current Data Parameters
NAME                  RDP-65!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200715
Time                      8.25 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG          noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                        60.93
DW                        69.333 usec
DE                        10.00 usec
TE                        298.0 K
D0                    0.00005667 sec
D1                    2.00000000 sec
D8                    0.80000001 sec
D11                   0.03000000 sec
D12                   0.00002000 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                        10.00 usec
P2                        20.00 usec
P17                     2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]             SMSQ10.100
GPZ1                      40.00 %
P16                     1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                       12.004 ppm
FnMODE             States-TPPI

F2 - Processing parameters
SI                           1024
SF                  600.2000000 MHz
WDW                         QSINE
SSB                          2
LB                0 Hz
GB                0
PC                           1.00

F1 - Processing parameters
SI                           1024
MC2                States-TPPI
SF                  600.2000000 MHz
WDW                         QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S143 NOESY spectrum (600 MHz, $CDCl_3$) of compound **25**

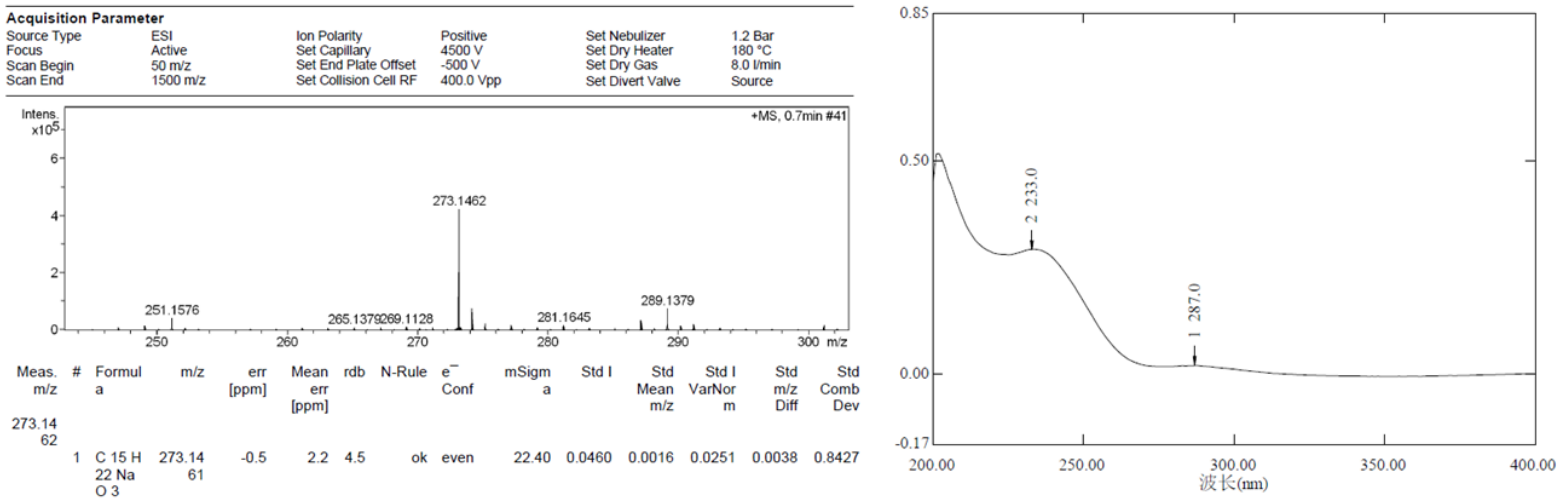


Figure S144 HRESIMS and UV spectra of compound **27**

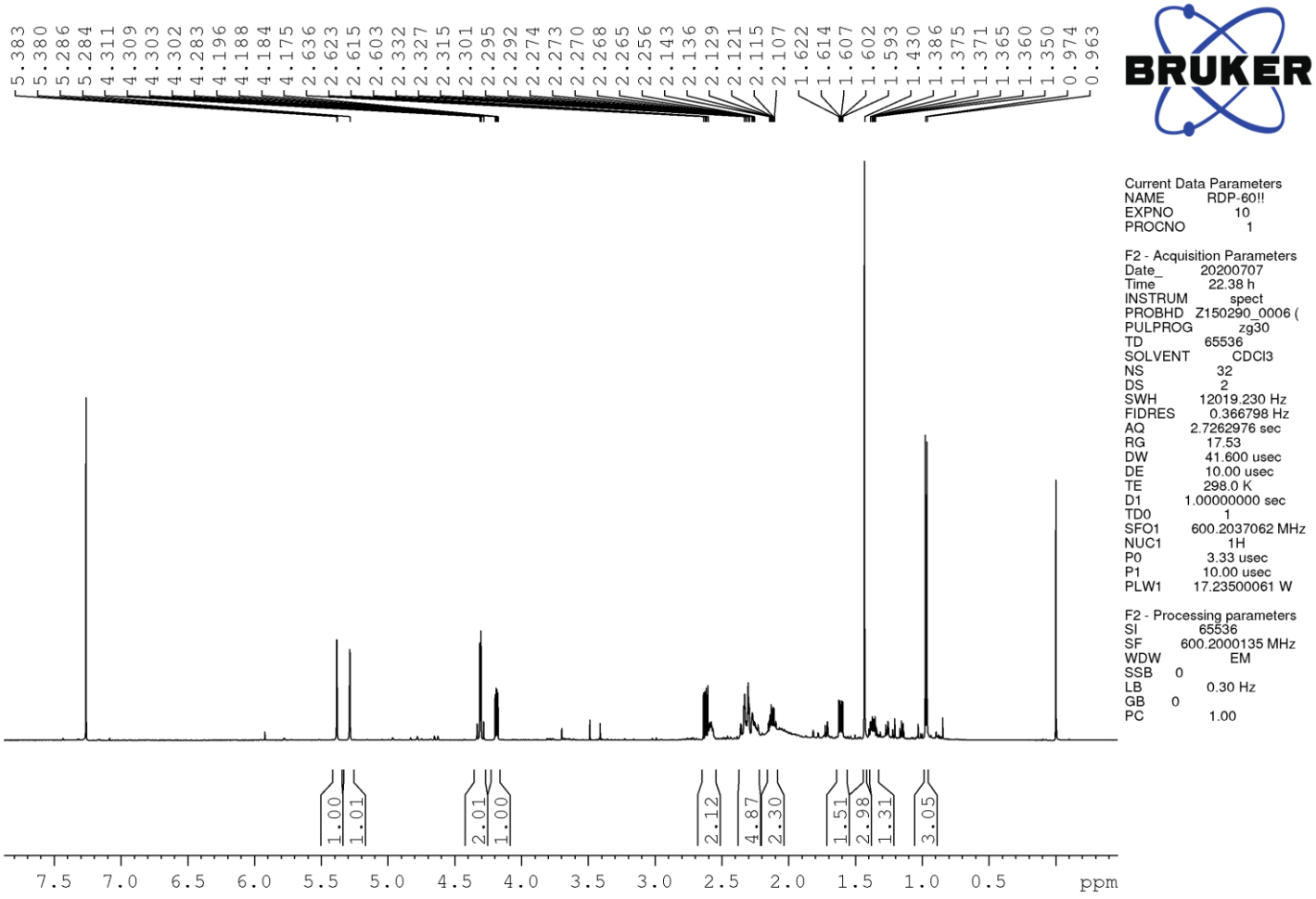


Figure S145 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **27**

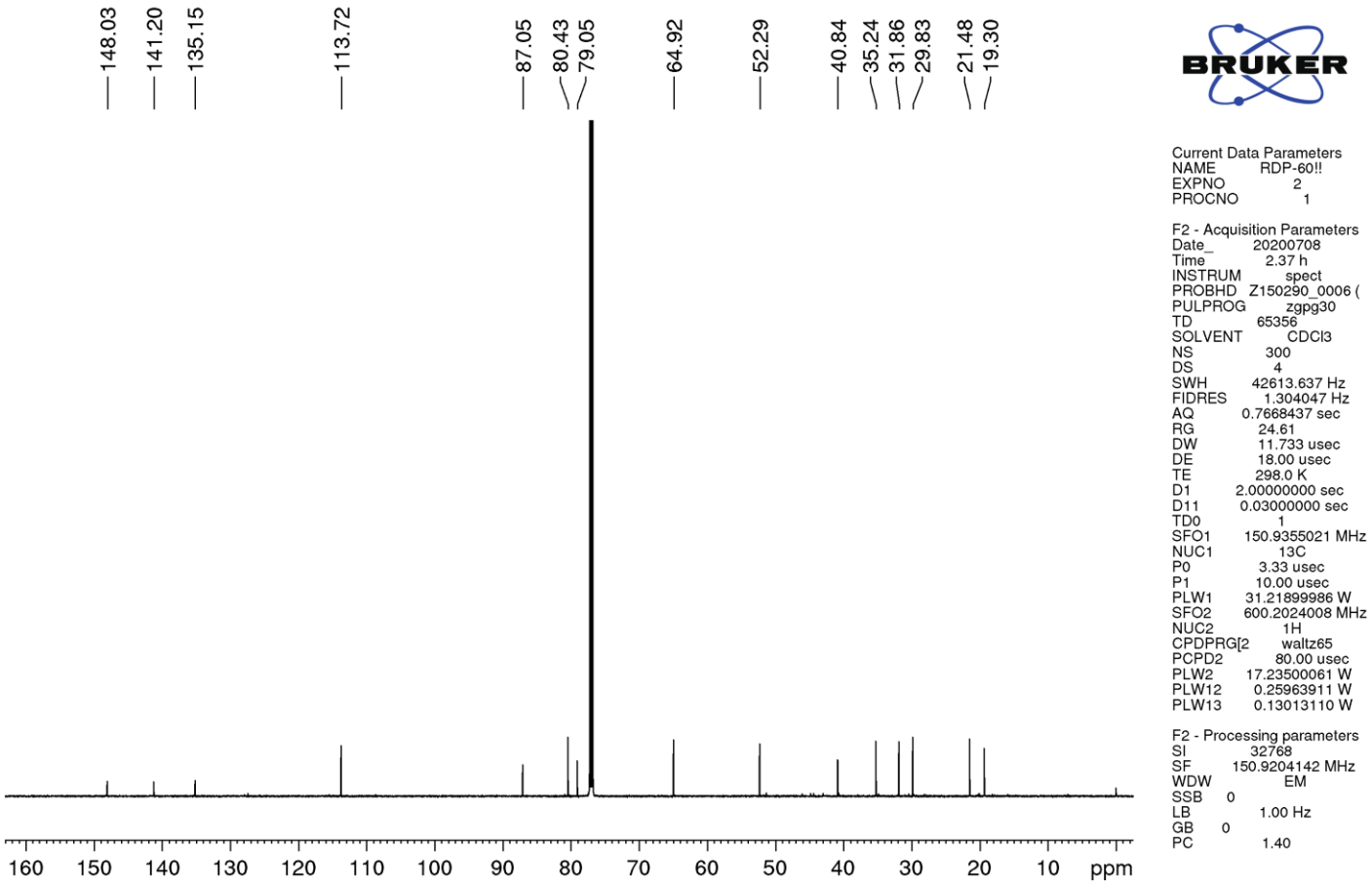
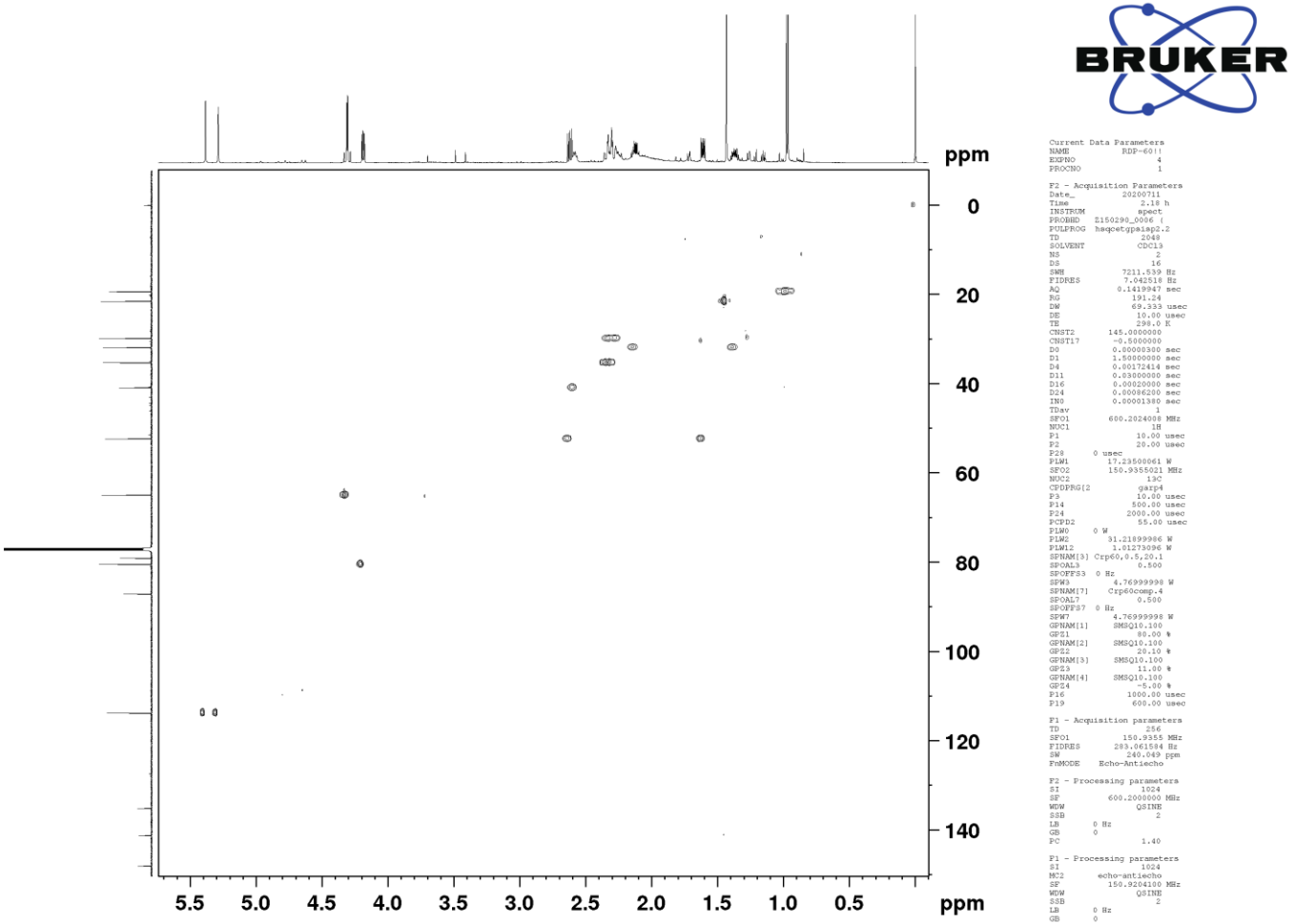
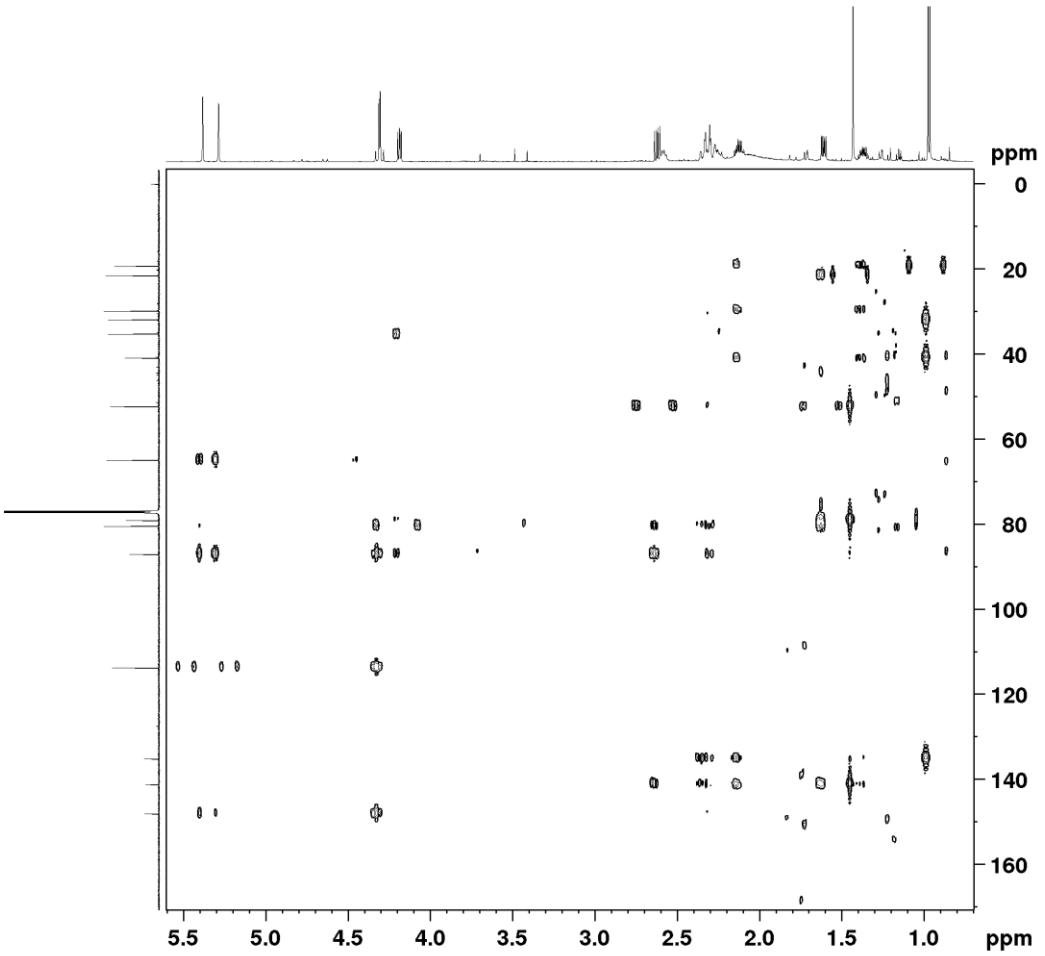


Figure S146 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **27**



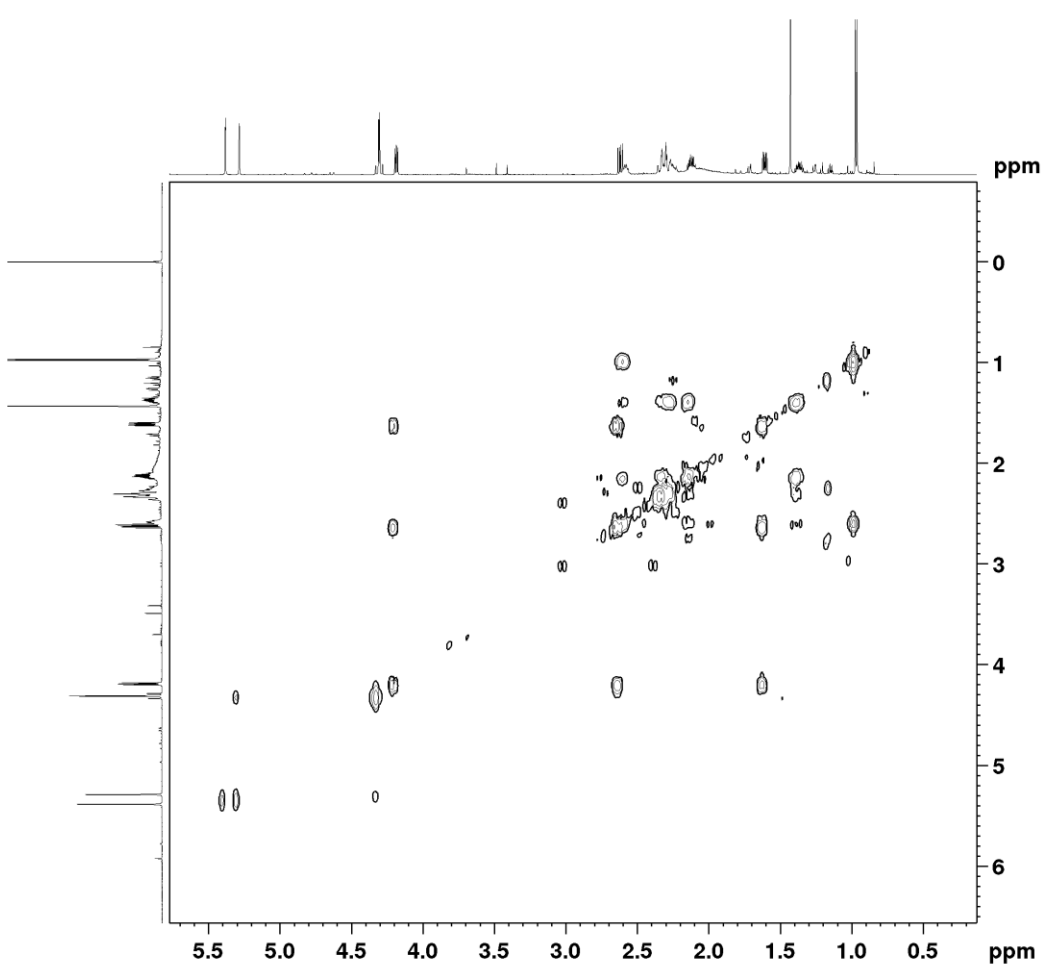

```
Current Data Parameters
NAME              RDP-60!!
EXPNO                    4
PROCNO                   1

F2 - Acquisition Parameters
Date_              20200711
Time                 2.18 h
INSTRUM                spect
PROBHD   Z150298_0006 (
PULPROG  hsqcetgpaisp2.2
TD                    2048
SOLVENT               CDCl3
NS                       2
DS                      16
SWH                7211.539 Hz
FIDRES             7.042518 Hz
AQ                 0.1419947 sec
RG                   191.24
DW                 69.333 usec
DE                   10.00 usec
TE                  298.0 K
CNST2            145.0000000
CNST17           =0.5000000
D0                 0.00000300 sec
D1                 1.50000000 sec
D4                 0.00172414 sec
D11                0.03000000 sec
D16                0.00020000 sec
D24                0.00086200 sec
IN0                0.00001380 sec
TDav                     1
SFO1             600.2024008 MHz
NUC1                     1H
P1                   10.00 usec
P2                   20.00 usec
P28       0 usec
PLW1            17.23500061 W
SFO2            150.9355021 MHz
NUC2                    13C
CPDPRG[2                garp4
P3                   10.00 usec
P14                 500.00 usec
P24                2000.00 usec
PCPD2                55.00 usec
PLW0      0 W
PLW2            31.21899986 W
PLW12            1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3   0 Hz
SPW3             4.76999998 W
SPNAM[7]    Crp60comp.4
SPOAL7                0.500
SPOFFS7   0 Hz
SPW7             4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16                1000.00 usec
P19                 600.00 usec

F1 - Acquisition parameters
TD                     256
SFO1             150.9355 MHz
FIDRES           283.061594 Hz
SW                 240.049 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                    1024
SF               600.2000000 MHz
WDW                    QSINE
SSB                       2
LB        0 Hz
GB        0
PC                     1.40

F1 - Processing parameters
SI                    1024
MC2         echo-antiecho
SF               150.9204100 MHz
WDW                    QSINE
SSB                       2
LB        0 Hz
GB        0
```

Figure S147 HSQC spectrum (600 MHz, $CDCl_3$) of compound **27**



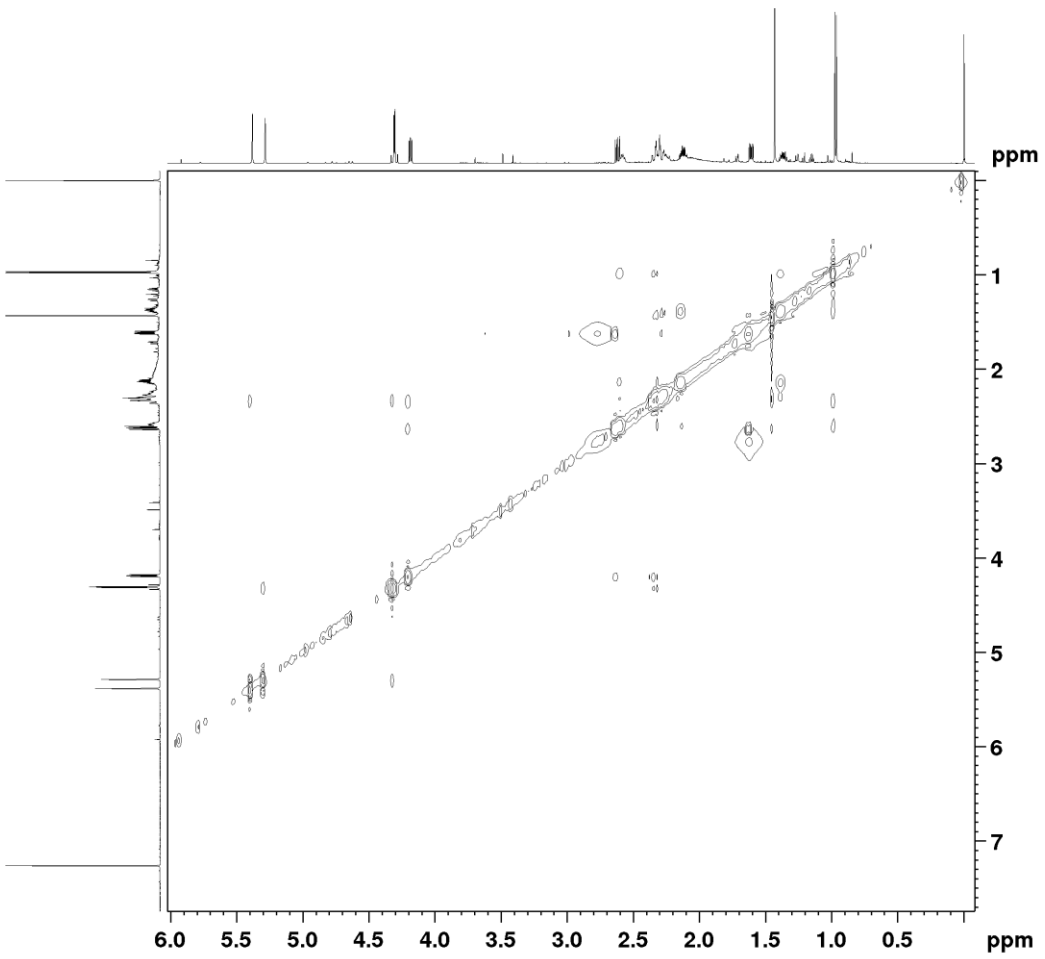

```
Current Data Parameters
NAME                  RDP-60!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200711
Time                      2.34 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG           hmbcgpndqf
TD                        4096
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                   7211.539 Hz
FIDRES                3.521259 Hz
AQ                    0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
CNST13                8.0000000
D0                    0.00000300 sec
D1                    1.50000000 sec
D6                    0.06250000 sec
D16                   0.00020000 sec
IN0                   0.00001380 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
PLW1                17.23500061 W
SFO2                150.9355021 MHz
NUC2                        13C
P3                       10.00 usec
PLW2                31.21899986 W
GPNAM[1]             SMSQ10.100
GPZ1                     50.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     30.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                150.9355 MHz
FIDRES              566.123169 Hz
SW                     240.049 ppm
FnMODE                      QF

F2 - Processing parameters
SI                        4096
SF                  600.2000000 MHz
WDW                       SINE
SSB                  0
LB                   0 Hz
GB                   0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                  150.9204100 MHz
WDW                       SINE
SSB                  0
LB                   0 Hz
GB                   0
```

Figure S148 HMBC spectrum (600 MHz, $CDCl_3$) of compound **27**




```
Current Data Parameters
NAME                  RDP-60!!
EXPNO                        6
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200711
Time                      2.51 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG           cosygpmfqf
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
D0                    0.00000300 sec
D1                    2.00000000 sec
D13                   0.00000400 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
PLW1               17.23500061 W
GPNAM[1]             SMSQ10.100
GPZ1                     16.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     12.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2024 MHz
FIDRES              112.572044 Hz
SW                      12.004 ppm
FnMODE                      QF

F2 - Processing parameters
SI                         1024
SF                600.2000000 MHz
WDW                        SINE
SSB       0
LB        0 Hz
GB        0
PC                         1.40

F1 - Processing parameters
SI                         1024
MC2                         QF
SF                600.2000000 MHz
WDW                        SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S149 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **27**




```
Current Data Parameters
NAME                  RDP-60!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200711
Time                      3.01 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG       noesygpphpp
TD                        2048
SOLVENT                   CDCl3
NS                           2
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                        60.93
DW                        69.333 usec
DE                        10.00 usec
TE                        298.0 K
D0                    0.00005667 sec
D1                    2.00000000 sec
D8                    0.80000001 sec
D11                   0.03000000 sec
D12                   0.00002000 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                        10.00 usec
P2                        20.00 usec
P17                     2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]             SMSQ10.100
GPZ1                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                       12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                          1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S150 NOESY spectrum (600 MHz, $CDCl_3$) of compound **27**

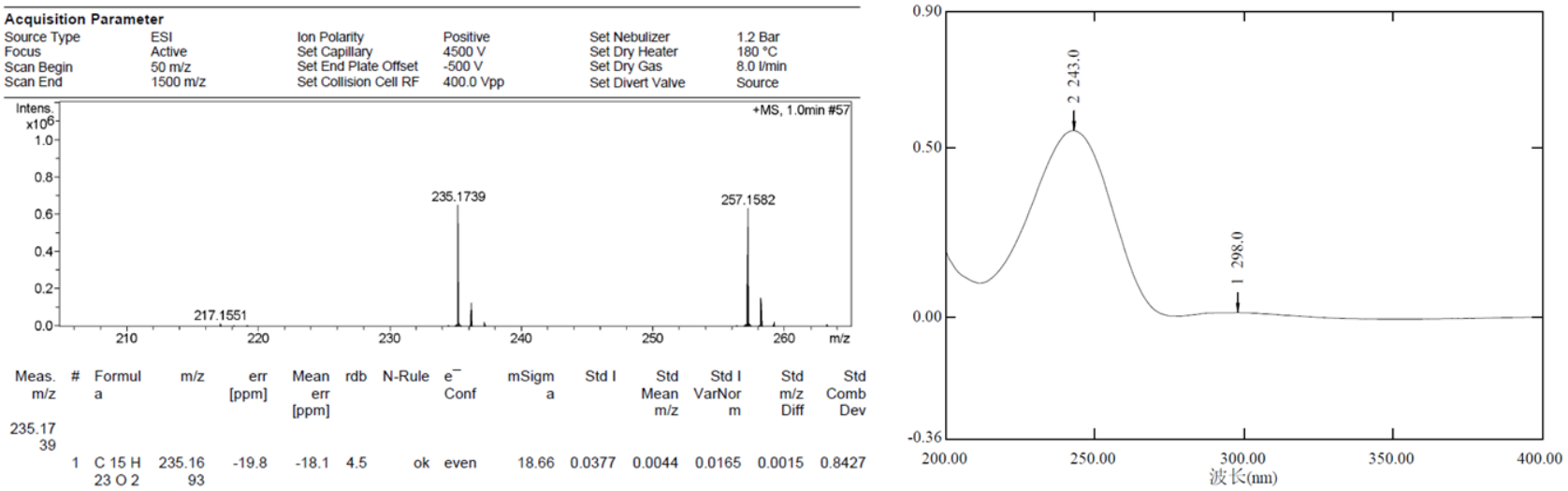


Figure S151 HRESIMS and UV spectra of compound **28**

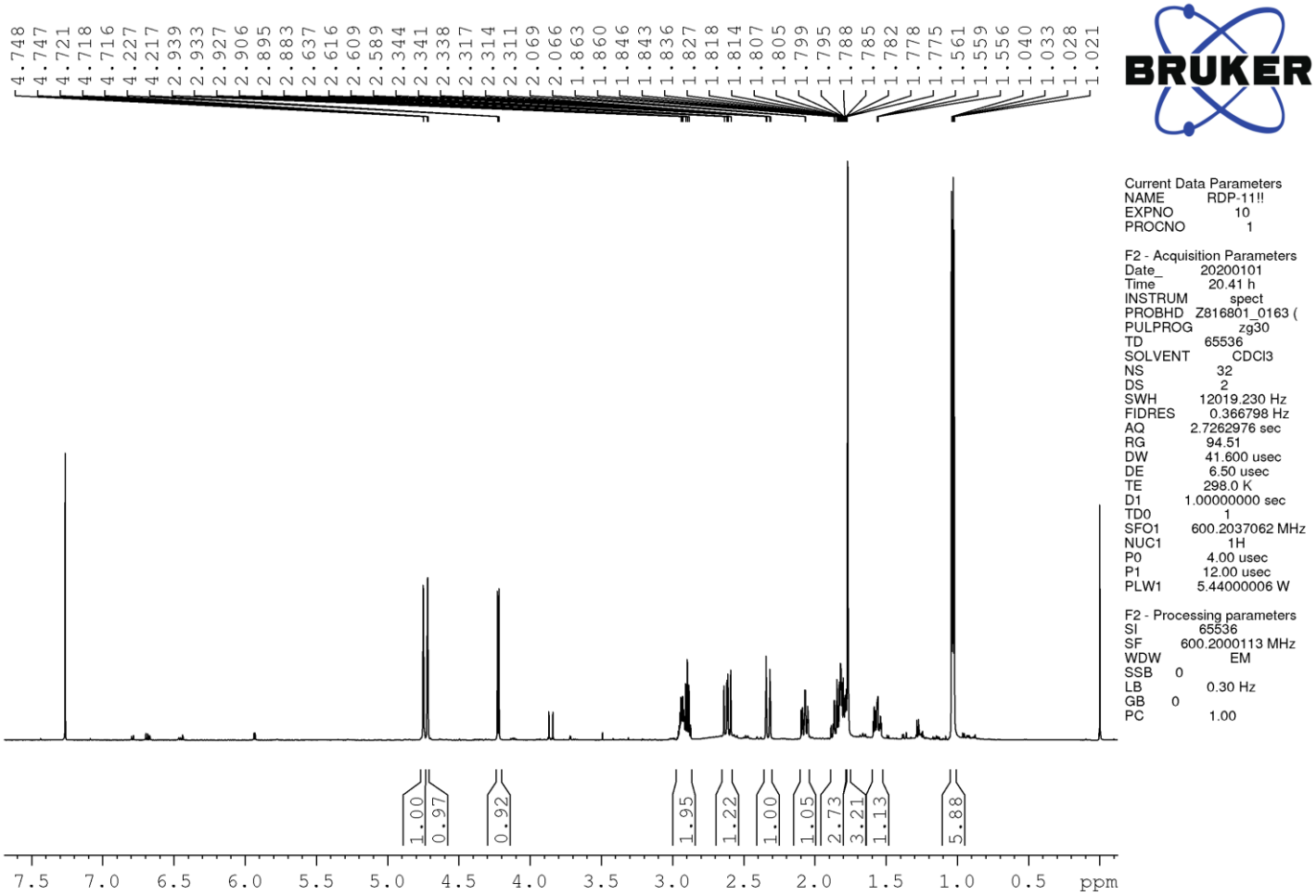


Figure S152 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **28**

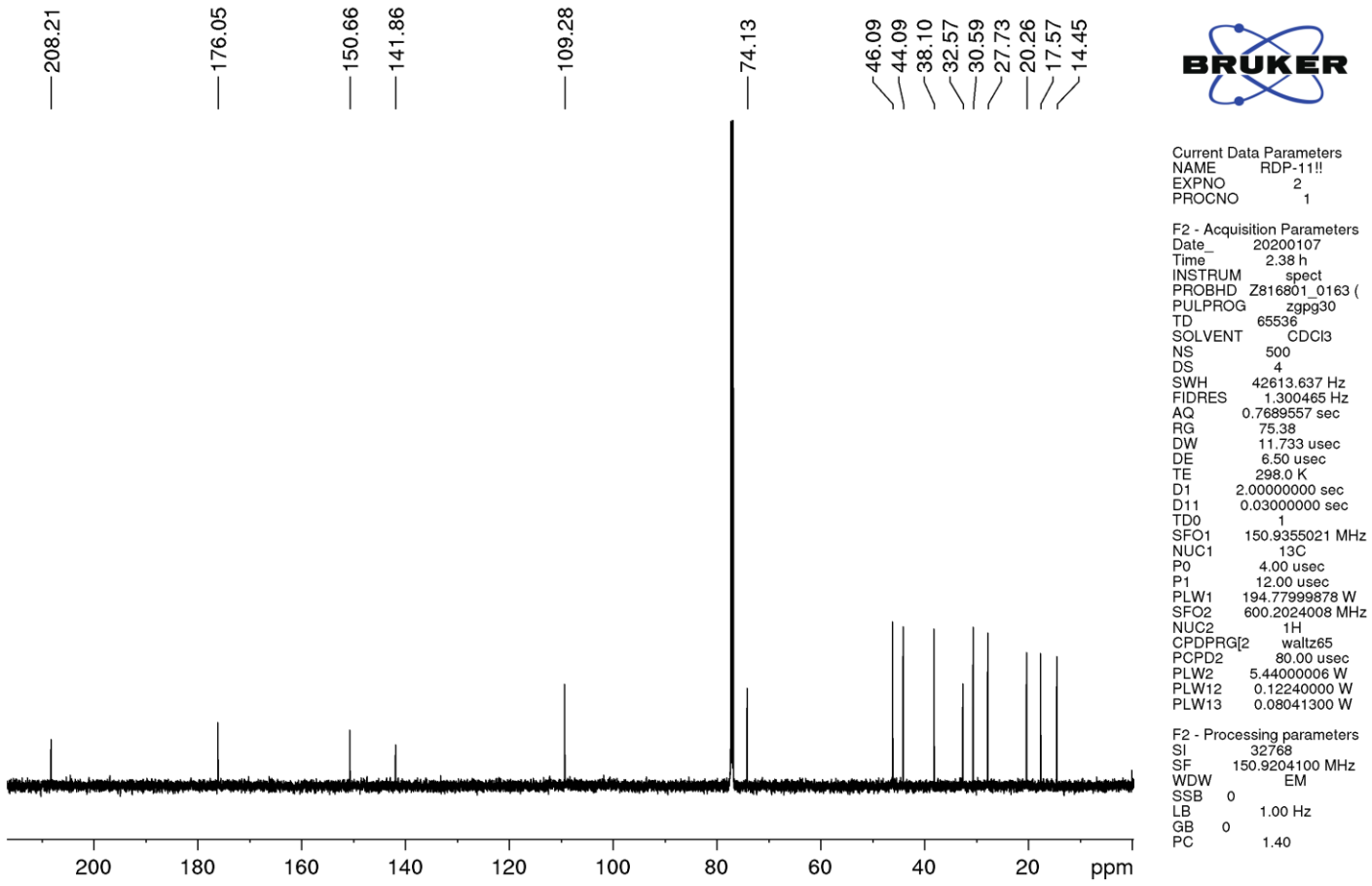


Figure S153 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **28**

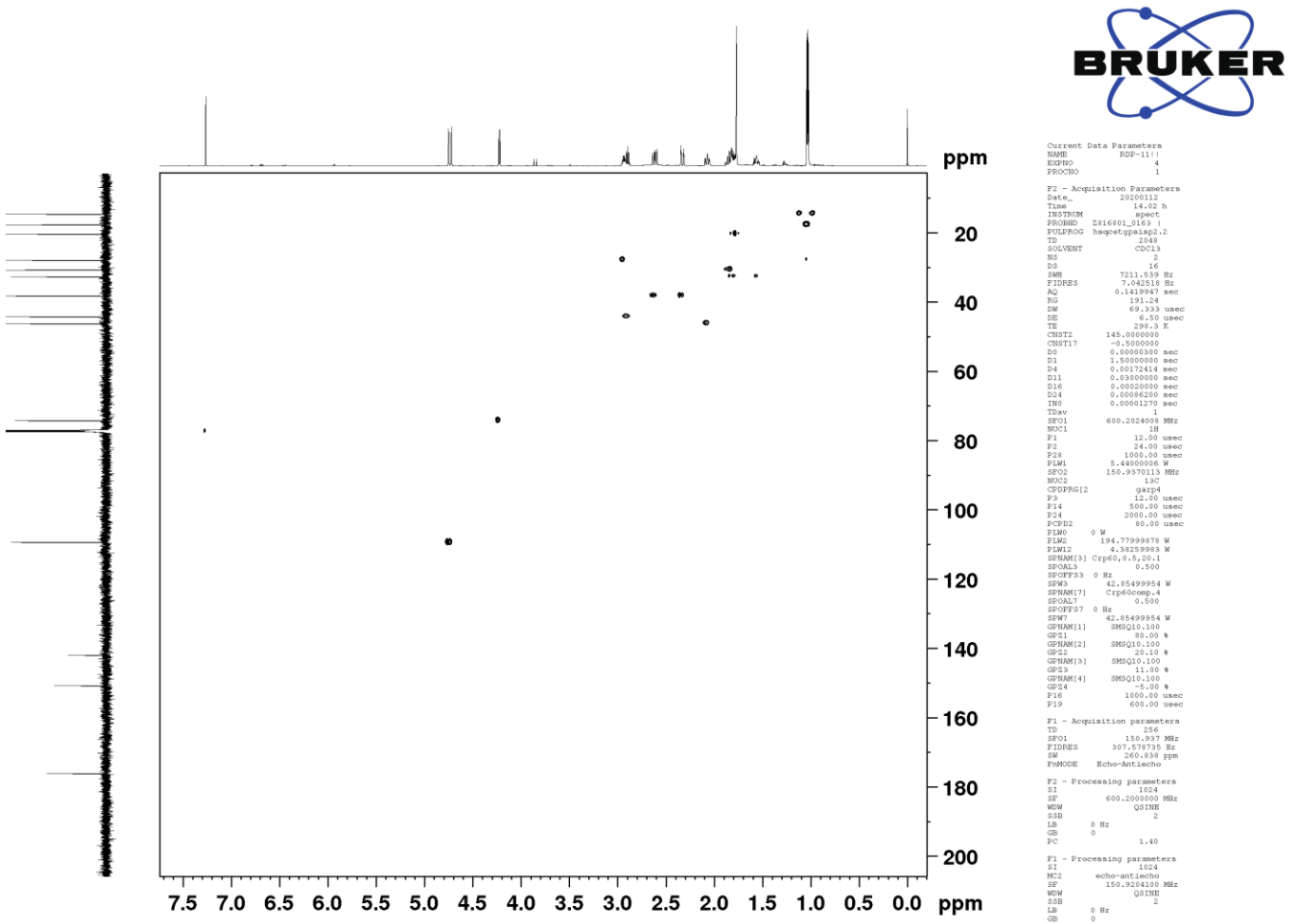
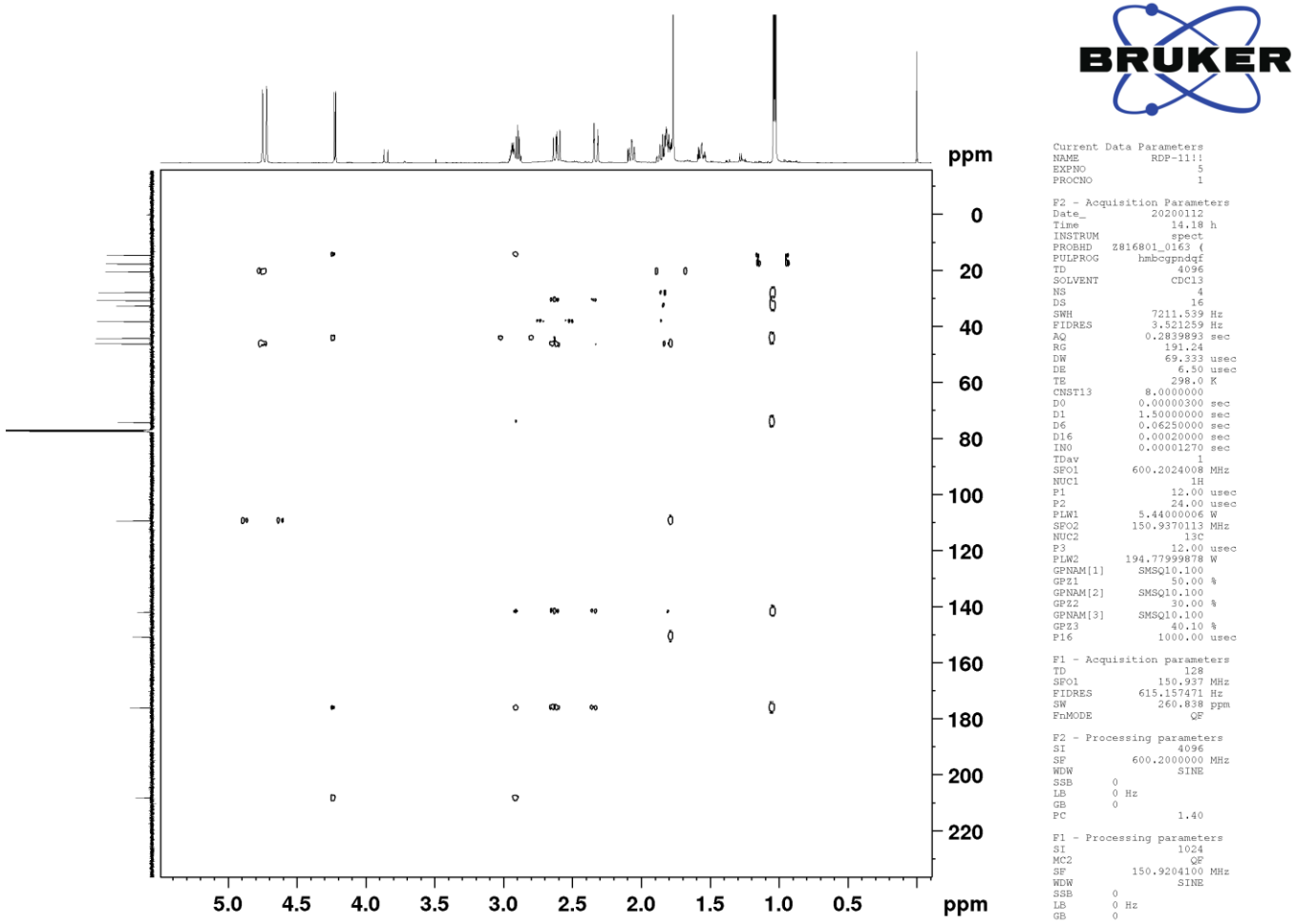


Figure S154 HSQC spectrum (600 MHz, $CDCl_3$) of compound **28**



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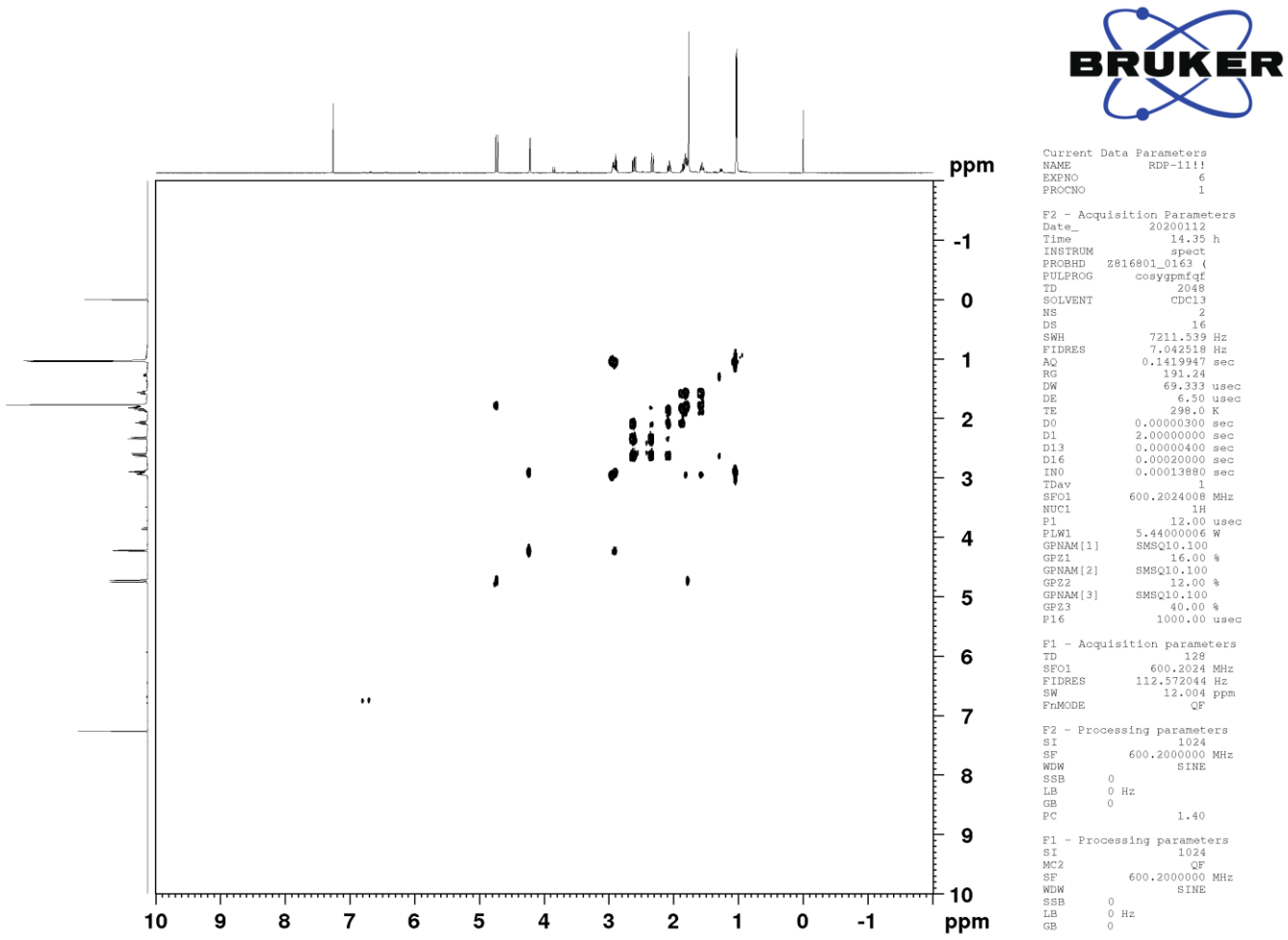
```
Current Data Parameters
NAME                  RDP-11!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200112
Time                    14.18 h
INSTRUM                 spect
PROBHD     Z816801_0163 (
PULPROG          hmbcgpndqf
TD                       4096
SOLVENT                 CDCl3
NS                          4
DS                         16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                         6.50 usec
TE                        298.0 K
CNST13                8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                        1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       12.00 usec
P2                       24.00 usec
PLW1                 5.44000006 W
SFO2                150.9370113 MHz
NUC2                        13C
P3                       12.00 usec
PLW2                194.77999878 W
GPNAM[1]          SMSQ10.100
GPZ1                     50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                     30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                     40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                        128
SFO1                150.937 MHz
FIDRES              615.157471 Hz
SW                     260.838 ppm
FnMODE                     QF

F2 - Processing parameters
SI                       4096
SF                600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2                        QF
SF                150.9204100 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S155 HMBC spectrum (600 MHz, $CDCl_3$) of compound **28**



Current Data Parameters
NAME RDP-11!!
EXPNO 6
PROCNO 1

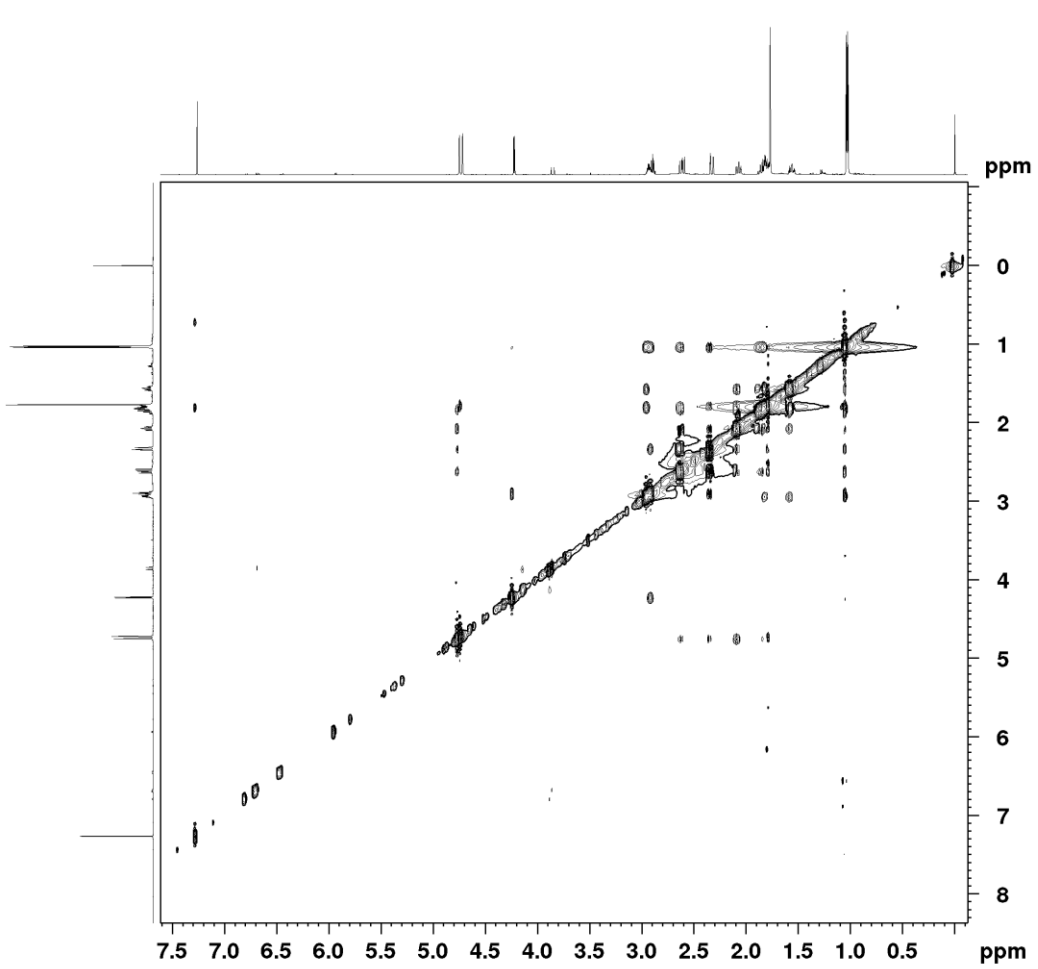
F2 - Acquisition Parameters
Date_ 20200112
Time 14.35 h
INSTRUM spect
PROBHD Z816801_0163 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 6.50 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 12.00 usec
PLW1 5.44000006 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 112.572044 Hz
SW 12.004 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S156 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **28**




```
Current Data Parameters
NAME                  RDP-11!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200112
Time                   14.46 h
INSTRUM                spect
PROBHD     Z816801_0163 (
PULPROG        noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                  7211.539 Hz
FIDRES               7.042518 Hz
AQ                   0.1419947 sec
RG                      191.24
DW                      69.333 usec
DE                        6.50 usec
TE                      298.0 K
D0                   0.00005412 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                      12.00 usec
P2                      24.00 usec
P17                   2500.00 usec
PLW1                 5.44000006 W
PLW10                1.25339997 W
GPNAM[1]             SMSQ10.100
GPZ1                    40.00 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           256
SFO1                600.2024 MHz
FIDRES               56.286022 Hz
SW                      12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                          1024
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
PC                          1.00

F1 - Processing parameters
SI                          1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                        QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S157 NOESY spectrum (600 MHz, $CDCl_3$) of compound **28**

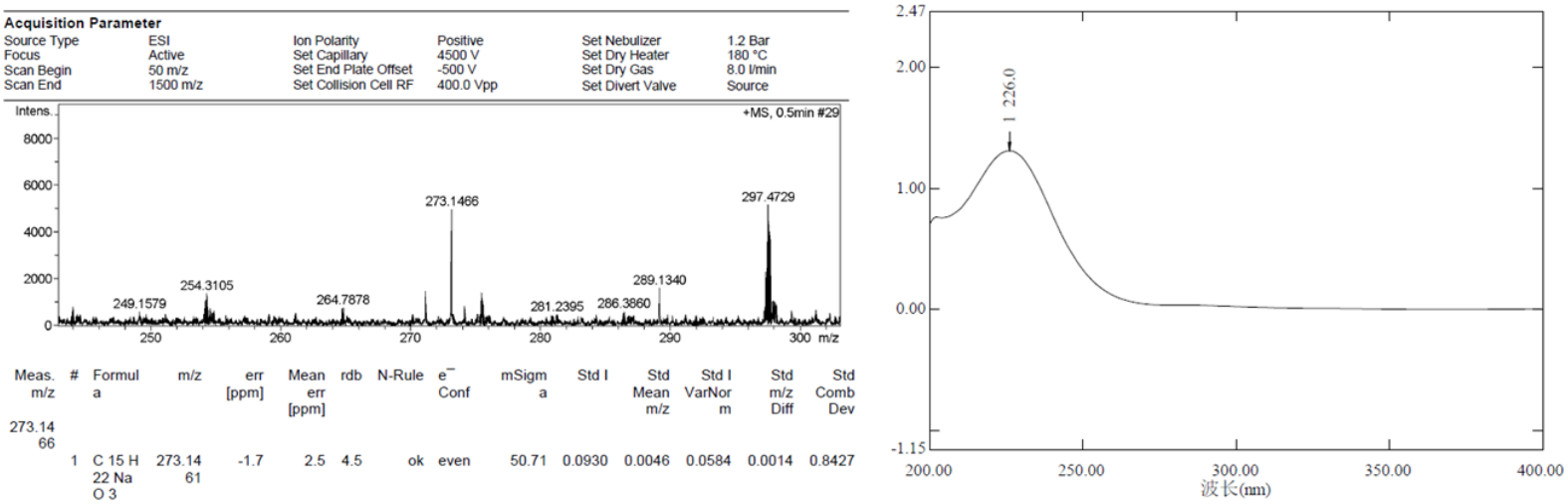


Figure S158 HRESIMS and UV spectra of compound **29**

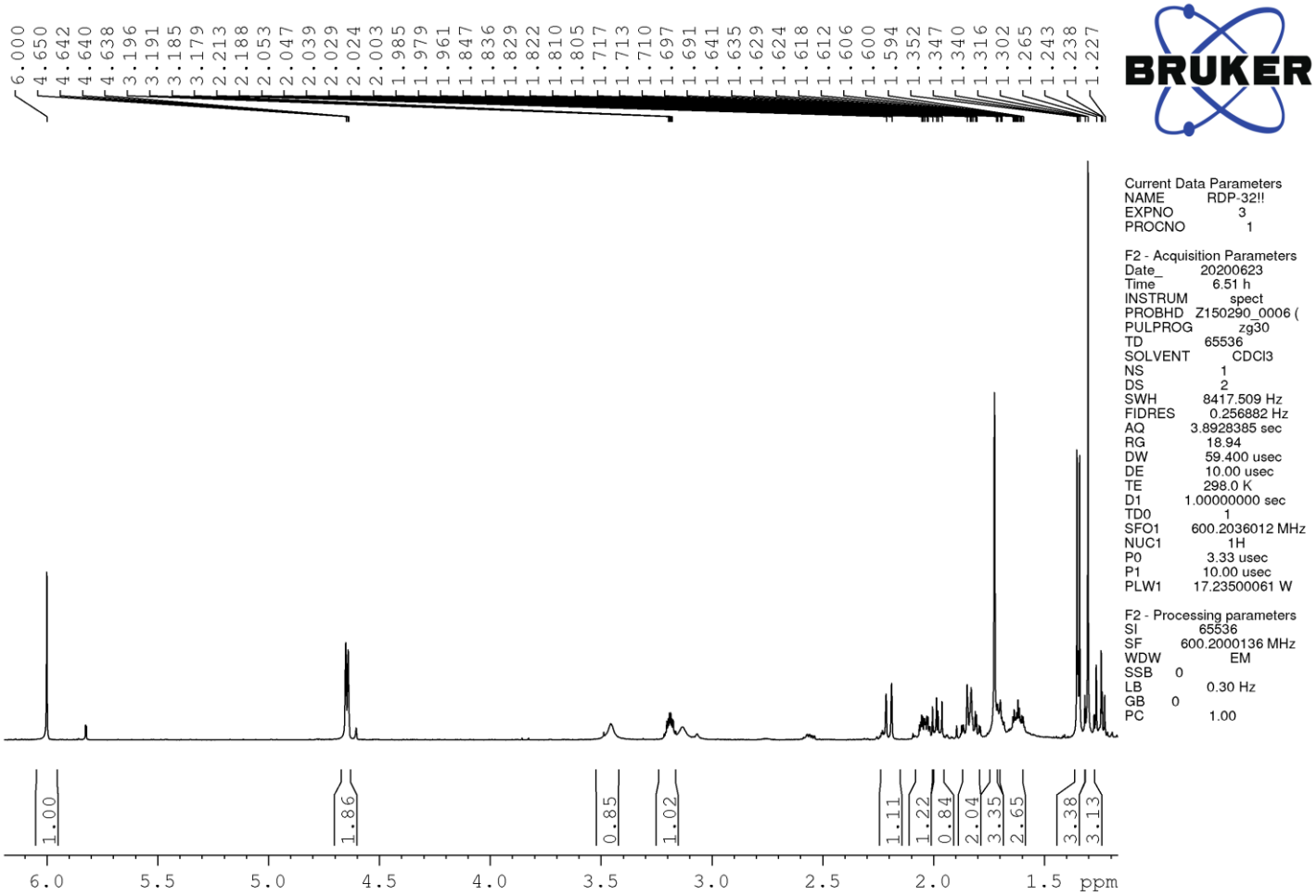


Figure S159 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **29**

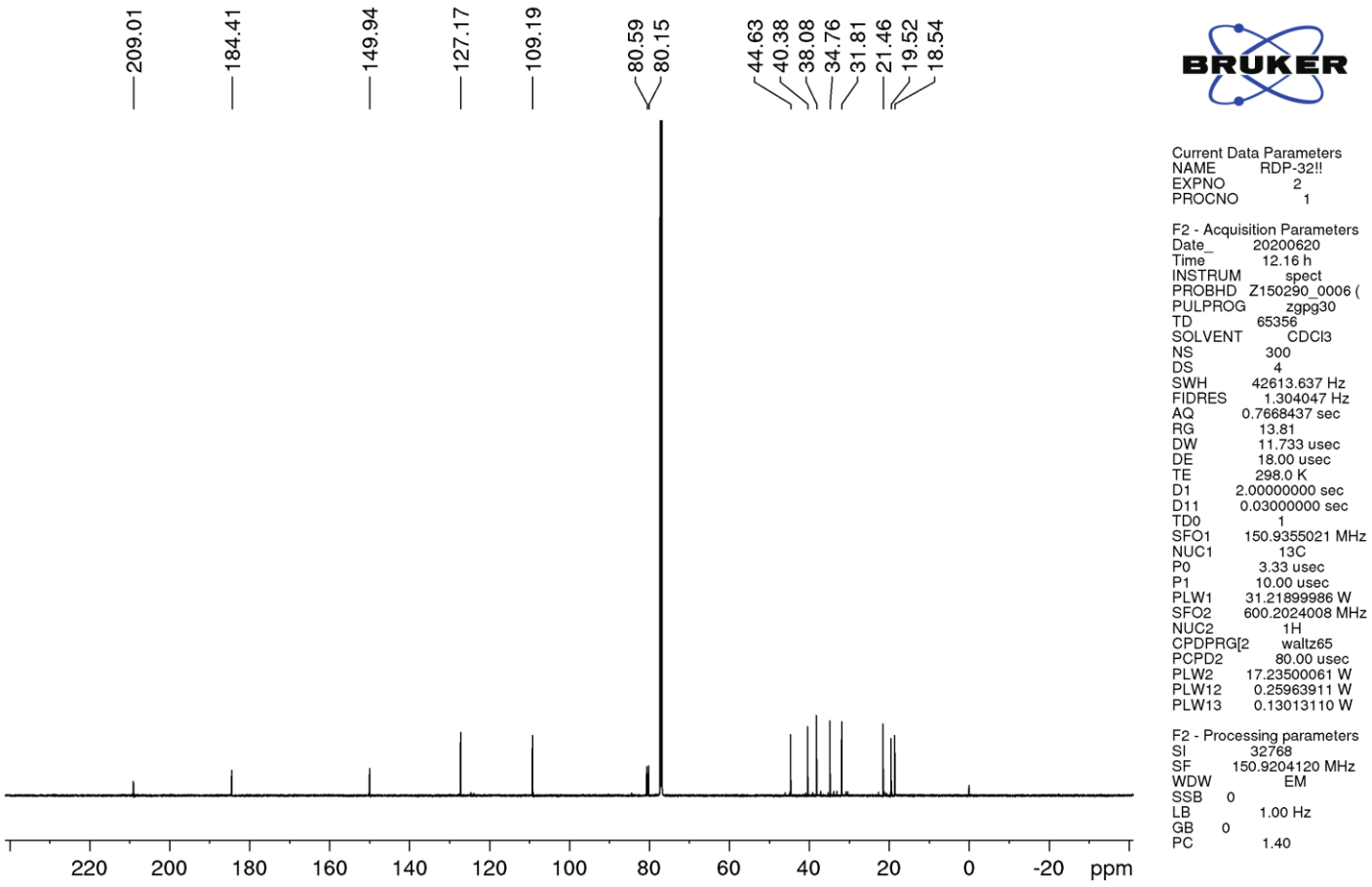
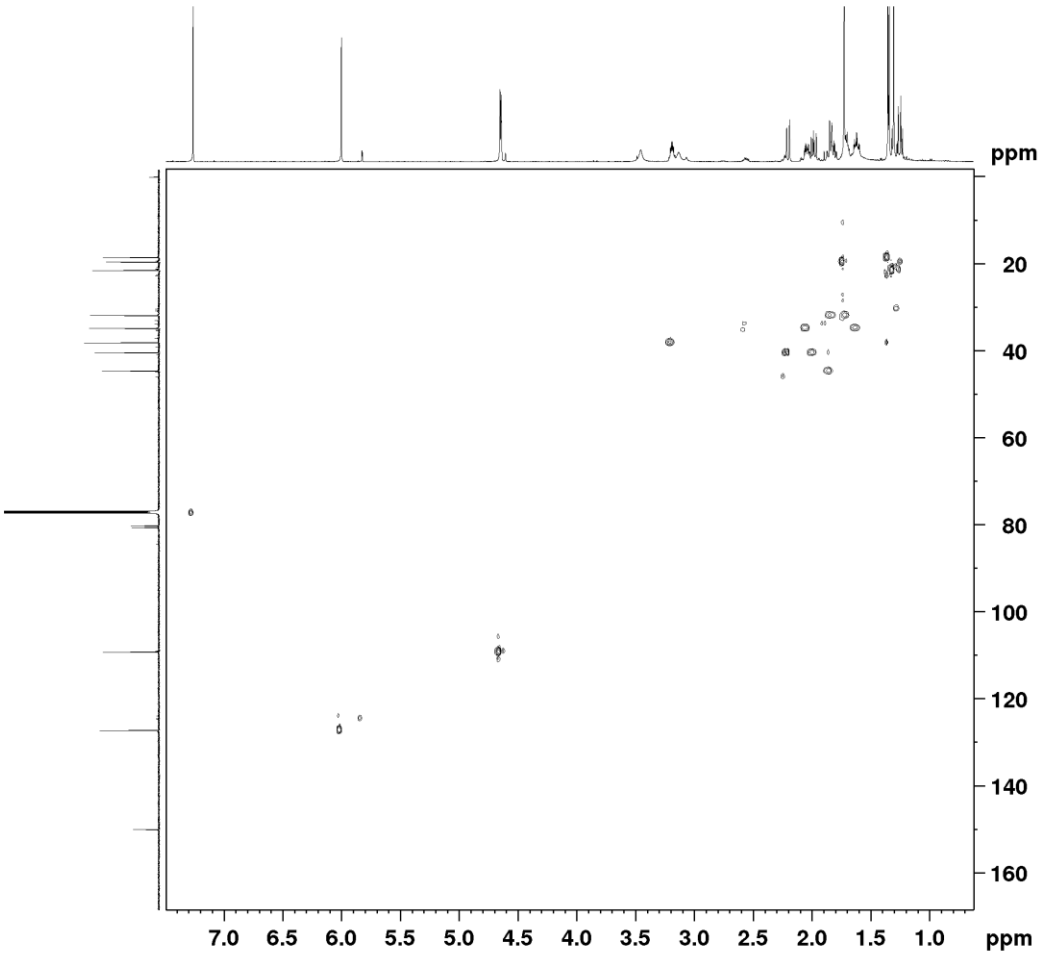
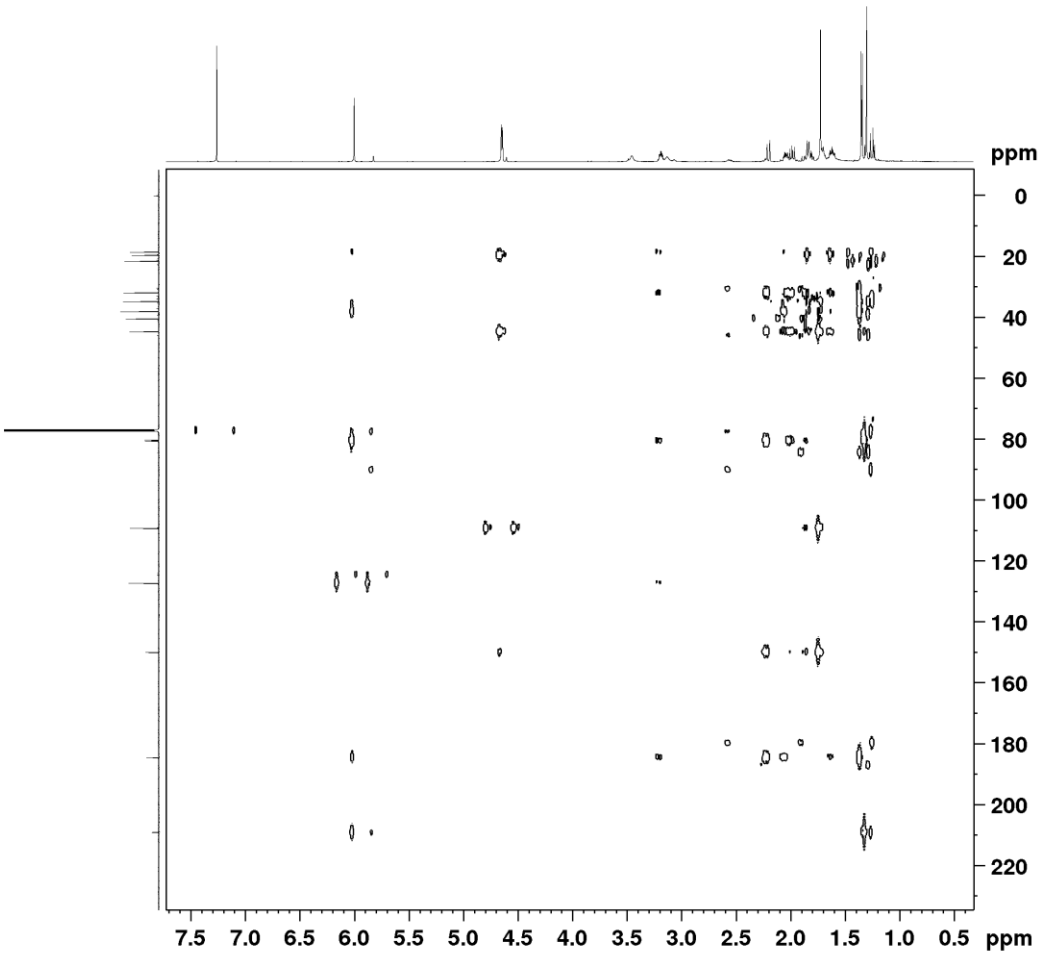


Figure S160 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **29**



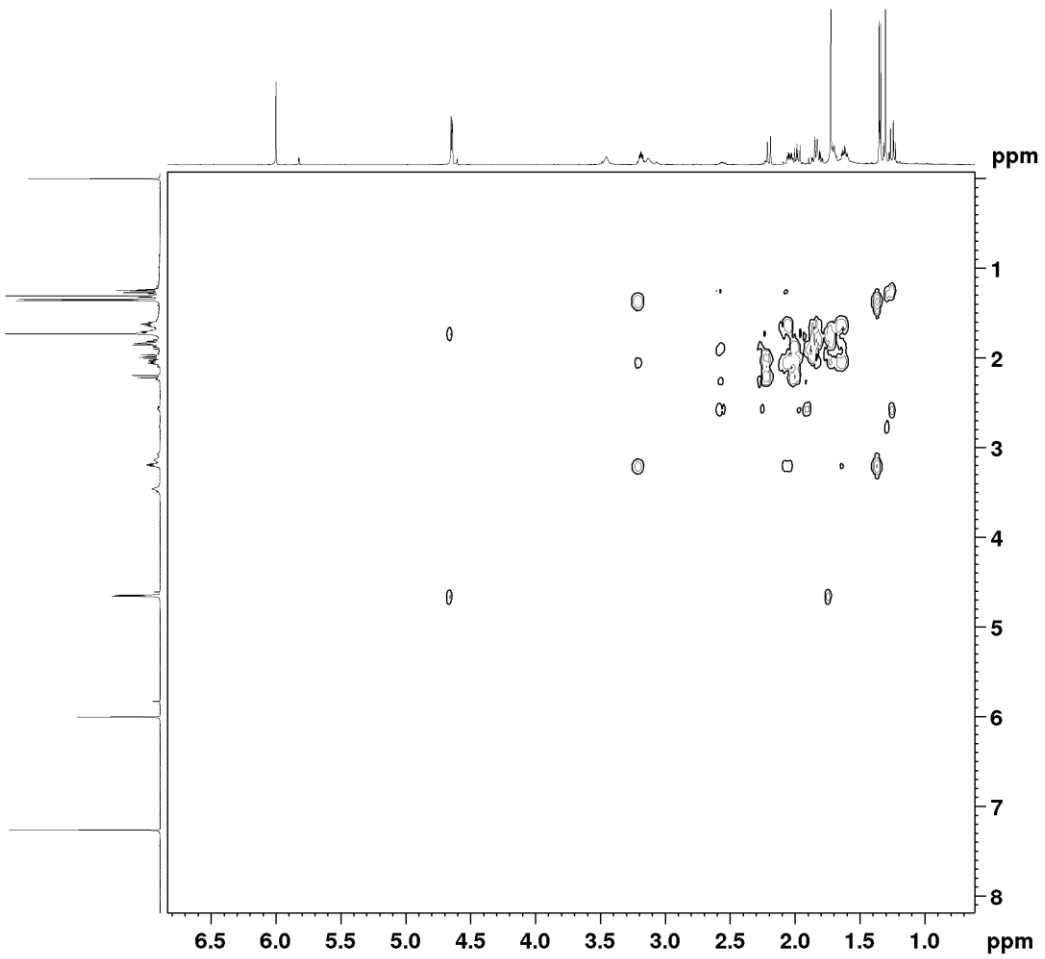

```
Current Data Parameters
NAME            RDP-321
EXPNO                 4
PROCNO                1

F2 - Acquisition Parameters
Date_          20200623
Time              6.54 h
INSTRUM             spect
PROBHD   Z150298_0006 (
PULPROG  heqcetgpaisp2.2
TD                 2048
SOLVENT            CDCl3
NS                    2
DS                   16
SWH            8417.509 Hz
FIDRES         8.220223 Hz
AQ             0.1216512 sec
RG                191.24
DW                59.400 usec
DE                10.00 usec
TE                298.0 K
CNST2         145.0000000
CNST17         -0.5000000
D0             0.00000300 sec
D1             1.50000000 sec
D4             0.00172414 sec
D11            0.03000000 sec
D16            0.00020000 sec
D24            0.00086200 sec
IN0            0.00001330 sec
TDav                  1
SFO1          600.2036012 MHz
NUC1                   1H
P1                10.00 usec
P2                20.00 usec
P28      0 usec
PLW1          17.23500061 W
SFO2         150.9370113 MHz
NUC2                  13C
CPDPRG[2              garp4
P3                10.00 usec
P14              500.00 usec
P24             2000.00 usec
PCPD2             55.00 usec
PLW0     0 W
PLW2          31.21899986 W
PLW12          1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3             0.500
SPOFFS3  0 Hz
SPW3           4.76999998 W
SPNAM[7]    Crp60comp.4
SPOAL7             0.500
SPOFFS7  0 Hz
SPW7           4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                11.00 %
GPNAM[4]       SMSQ10.100
GPZ4               -5.00 %
P16              1000.00 usec
P19               600.00 usec

F1 - Acquisition parameters
TD                   256
SFO1          150.937 MHz
FIDRES        293.703003 Hz
SW            249.071 ppm
FnMODE    Echo-Antiecho

F2 - Processing parameters
SI                  1024
SF           600.2000000 MHz
WDW                 QSINE
SSB                     2
LB       0 Hz
GB       0
PC                  1.40

F1 - Processing parameters
SI                  1024
MC2        echo-antiecho
SF           150.9204100 MHz
WDW                 QSINE
SSB                     2
LB       0 Hz
GB       0
```

Figure S161 HSQC spectrum (600 MHz, $CDCl_3$) of compound **29**



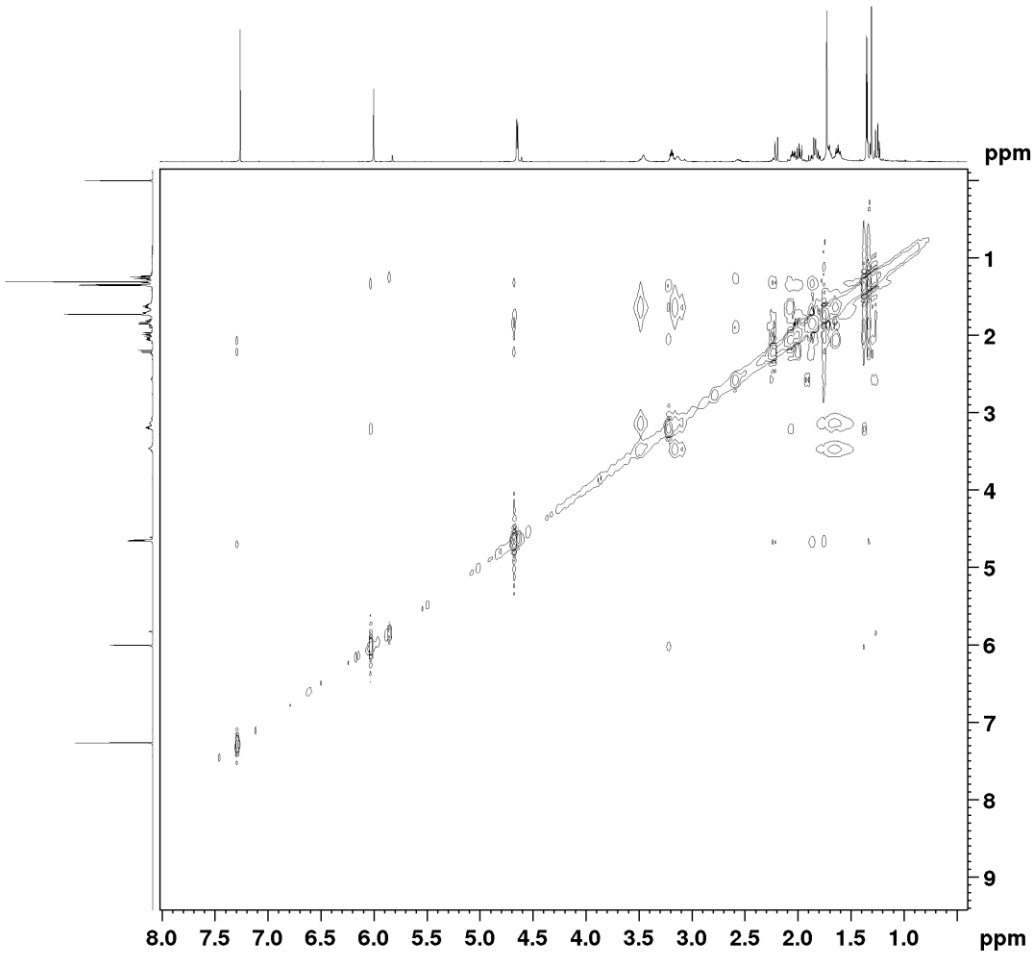

```
Current Data Parameters
NAME                  RDP-321
EXPNO                       5
PROCNO                      1

F2 - Acquisition Parameters
Date_                20200623
Time                     7.10 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG           hmbcgpndqf
TD                        4096
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                  8417.509 Hz
FIDRES               4.110112 Hz
AQ                   0.2433024 sec
RG                      191.24
DW                      59.400 usec
DE                      10.00 usec
TE                      298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001330 sec
TDav                        1
SFO1                600.2036012 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
PLW1                17.23500061 W
SFO2                150.9370113 MHz
NUC2                        13C
P3                      10.00 usec
PLW2                31.21899986 W
GPNAM[1]            SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]            SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]            SMSQ10.100
GPZ3                    40.10 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                          128
SFO1                150.937 MHz
FIDRES               587.406006 Hz
SW                      249.071 ppm
FnMODE                      QF

F2 - Processing parameters
SI                        4096
SF                  600.2000000 MHz
WDW                       SINE
SSB                 0
LB                  0 Hz
GB                  0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                  150.9204100 MHz
WDW                       SINE
SSB                 0
LB                  0 Hz
GB                  0
```

Figure S162 HMBC spectrum (600 MHz, $CDCl_3$) of compound **29**




```
Current Data Parameters
NAME                  RDP-32!!
EXPNO                        6
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200623
Time                      7.53 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG           cosygpmfqf
TD                        2048
SOLVENT                 CDCl3
NS                           4
DS                          16
SWH                   8417.509 Hz
FIDRES                8.220223 Hz
AQ                    0.1216512 sec
RG                       191.24
DW                       59.400 usec
DE                       10.00 usec
TE                       298.0 K
D0                    0.00000300 sec
D1                    2.00000000 sec
D13                   0.00000400 sec
D16                   0.00020000 sec
IN0                   0.00011900 sec
TDav                         1
SFO1                600.2036012 MHz
NUC1                        1H
P1                       10.00 usec
PLW1               17.23500061 W
GPNAM[1]             SMSQ10.100
GPZ1                     16.00 %
GPNAM[2]             SMSQ10.100
GPZ2                     12.00 %
GPNAM[3]             SMSQ10.100
GPZ3                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                600.2036 MHz
FIDRES              131.302521 Hz
SW                       14.001 ppm
FnMODE                      QF

F2 - Processing parameters
SI                         1024
SF                600.2000000 MHz
WDW                        SINE
SSB       0
LB        0 Hz
GB        0
PC                        1.40

F1 - Processing parameters
SI                         1024
MC2                         QF
SF                600.2000000 MHz
WDW                        SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S163 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **29**




```
Current Data Parameters
NAME                  RDP-32!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200623
Time                    7.27 h
INSTRUM                 spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                        2048
SOLVENT                 CDCl3
NS                           2
DS                          16
SWH                  8417.509 Hz
FIDRES               8.220223 Hz
AQ                   0.1216512 sec
RG                       60.93
DW                       59.400 usec
DE                       10.00 usec
TE                       298.0 K
D0                   0.00004677 sec
D1                   2.00000000 sec
D8                   0.80000001 sec
D11                  0.03000000 sec
D12                  0.00002000 sec
D16                  0.00020000 sec
IN0                  0.00011900 sec
TDav                         1
SFO1                600.2036012 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
P17                    2500.00 usec
PLW1                17.23500061 W
PLW10                2.75760007 W
GPNAM[1]            SMSQ10.100
GPZ1                    40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         256
SFO1                600.2036 MHz
FIDRES               65.651260 Hz
SW                      14.001 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                        1024
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                        1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S164 NOESY spectrum (600 MHz, $CDCl_3$) of compound **29**

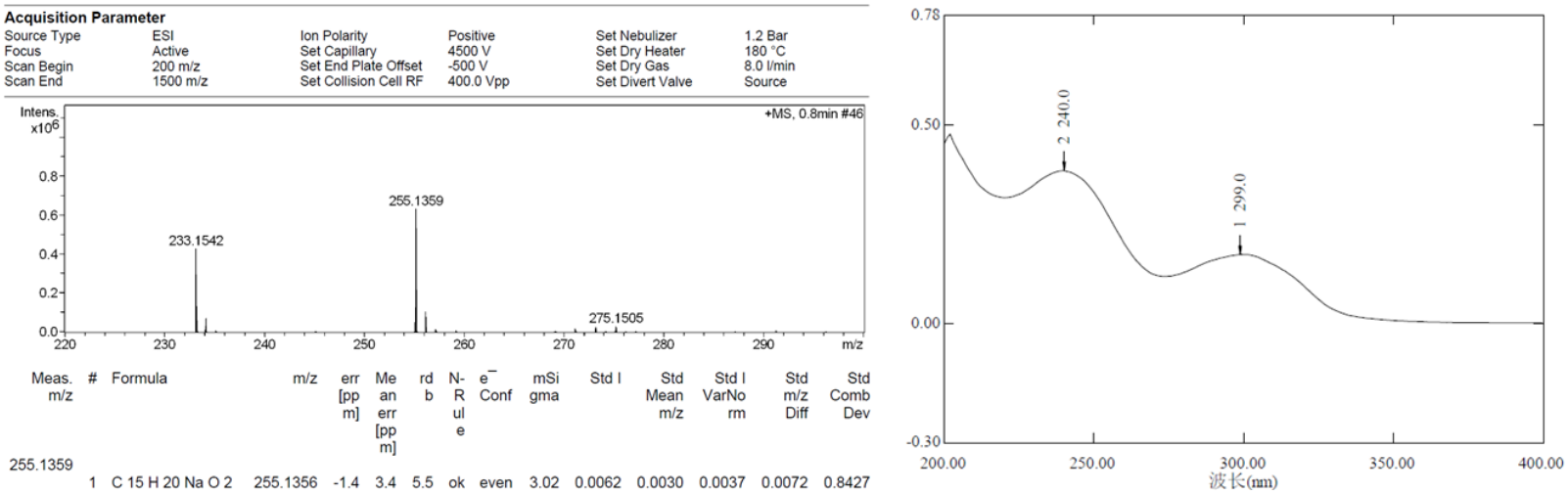


Figure S165 HRESIMS and UV spectra of compound **30**

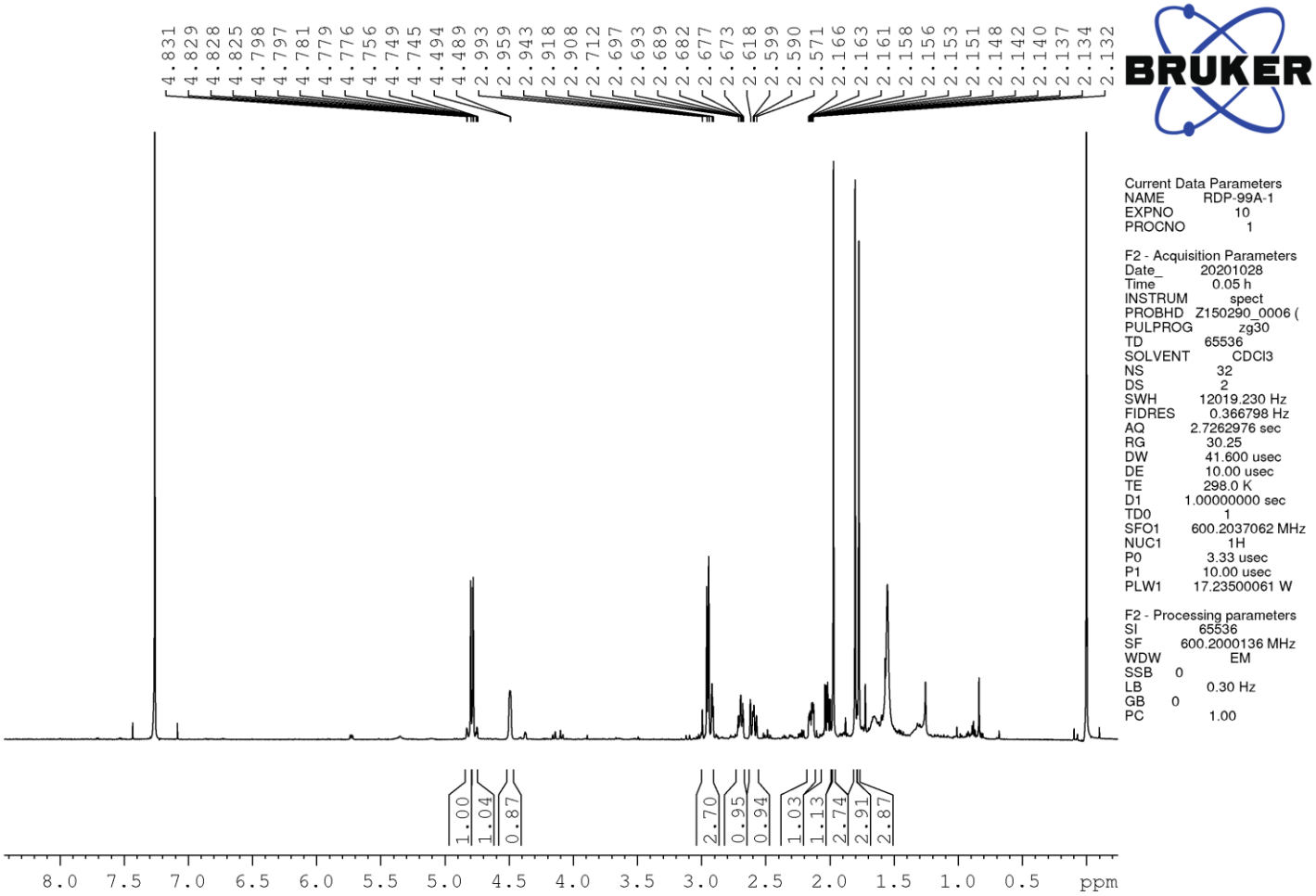


Figure S166 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **30**

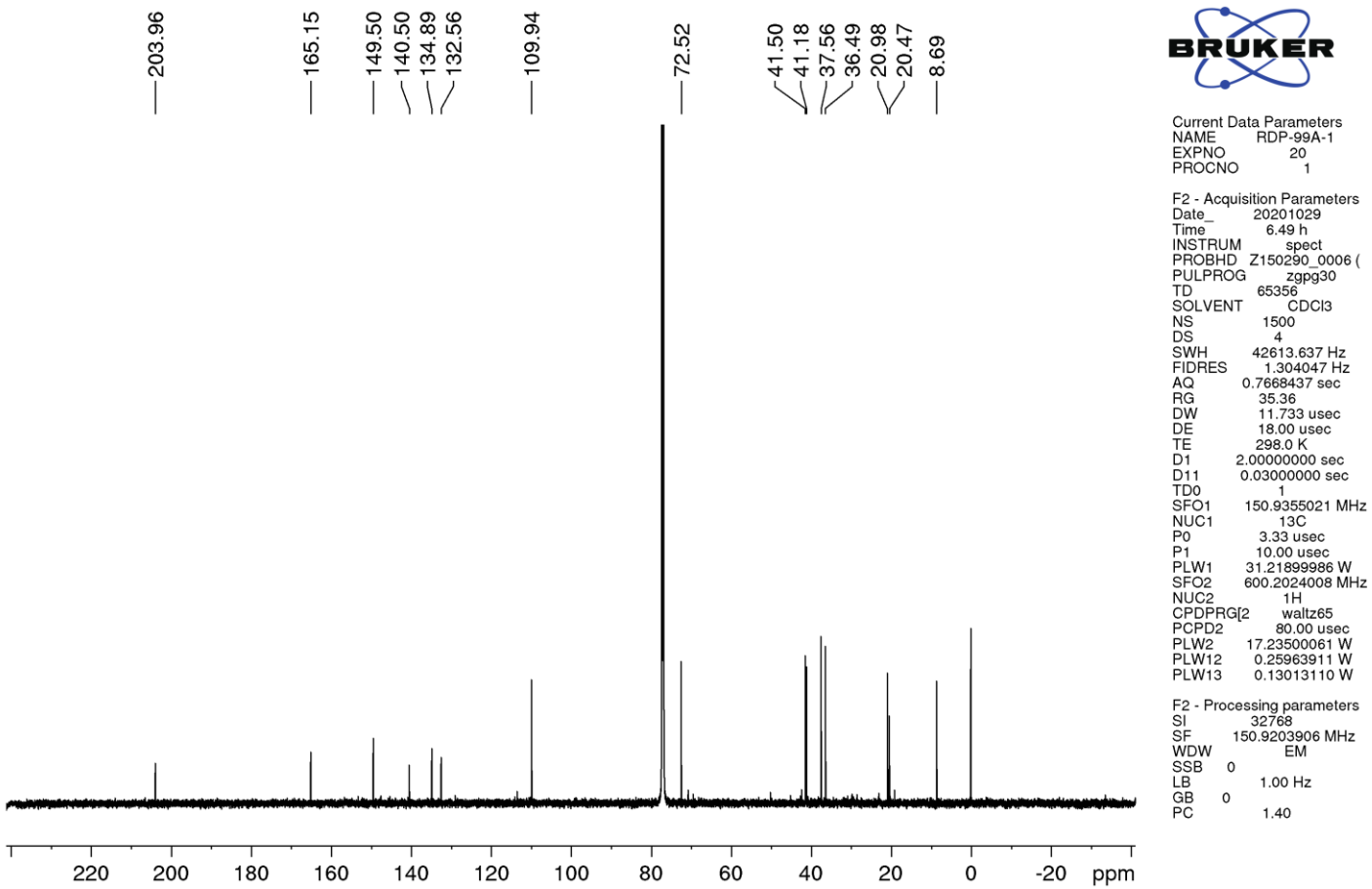
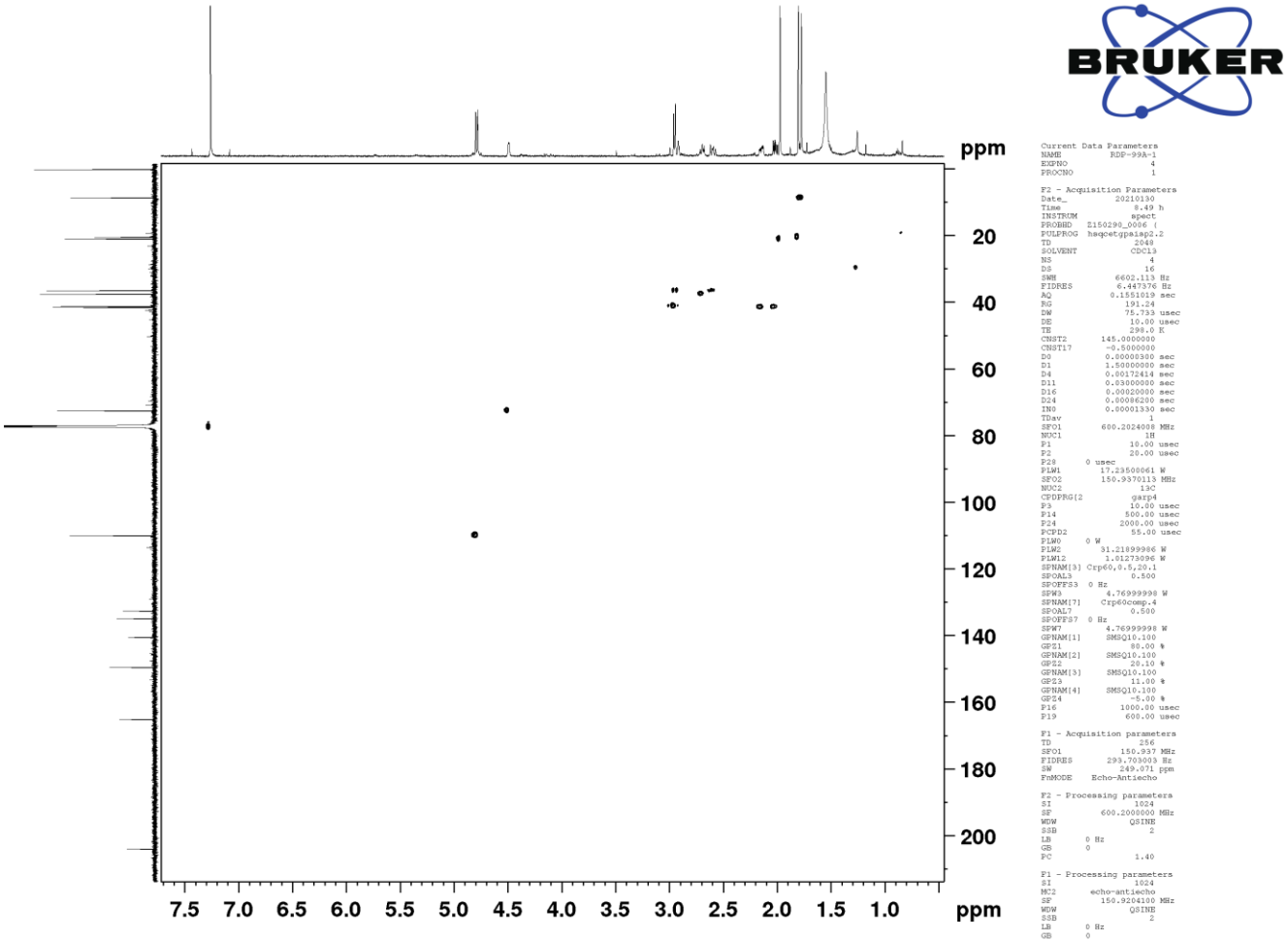


Figure S167 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **30**



Current Data Parameters
NAME RDP-99A-1
EXPNO 4
PROCNO 1

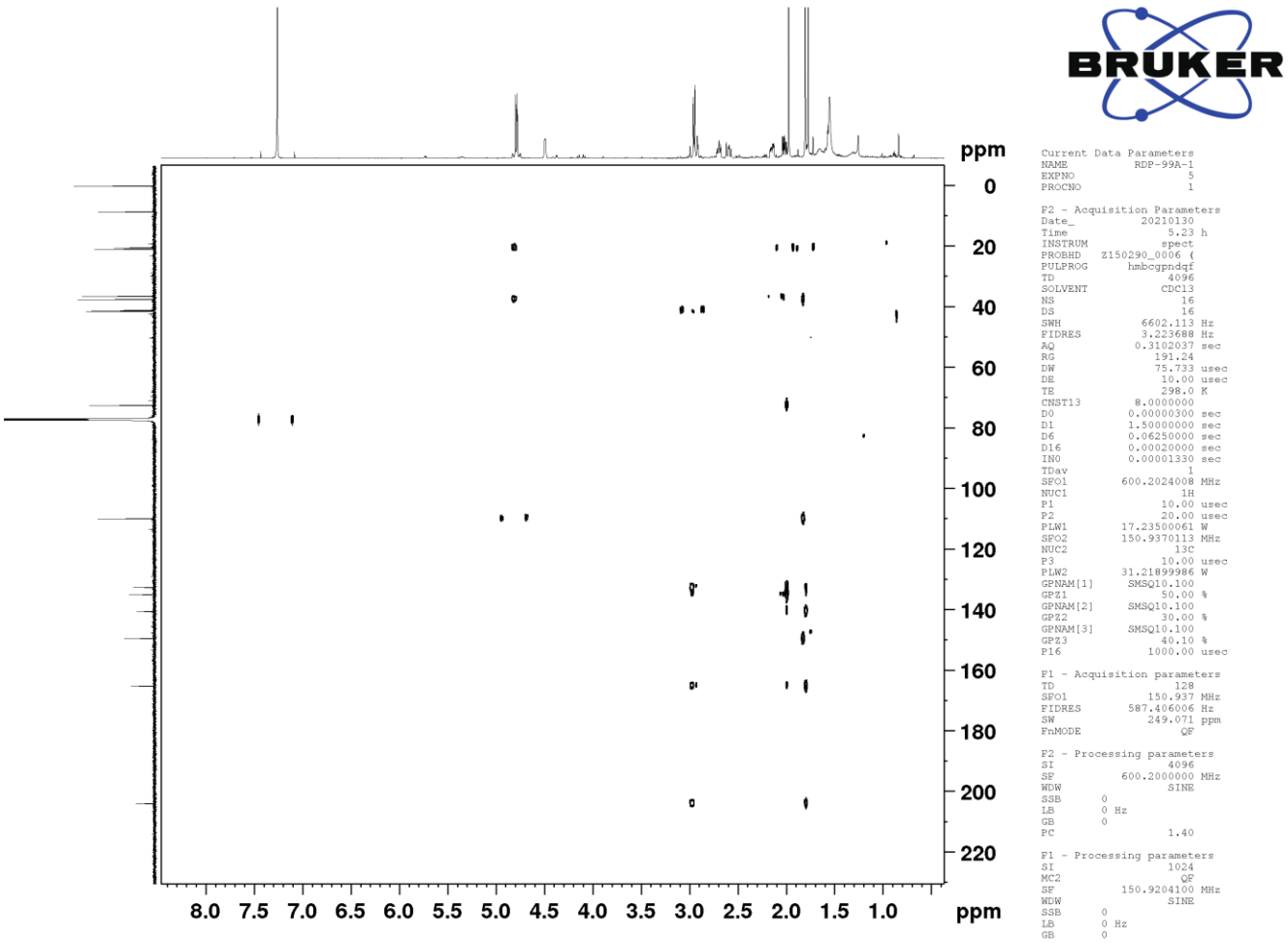
F2 - Acquisition Parameters
Date_ 20210130
Time 8.49 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 4
DS 16
SWH 6602.113 Hz
FIDRES 6.447376 Hz
AQ 0.1551019 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001330 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.937 MHz
FIDRES 293.703003 Hz
SW 249.071 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S168 HSQC spectrum (600 MHz, $CDCl_3$) of compound **30**



Current Data Parameters
NAME RDP-99A-1
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 20210130
Time 5.23 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hmbcgpndqf
TD 4096
SOLVENT CDCl3
NS 16
DS 16
SWH 6602.113 Hz
FIDRES 3.223688 Hz
AQ 0.3102037 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001330 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
P3 10.00 usec
PLW2 31.21899986 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 150.937 MHz
FIDRES 587.406006 Hz
SW 249.071 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9204100 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S169 HMBC spectrum (600 MHz, $CDCl_3$) of compound **30**

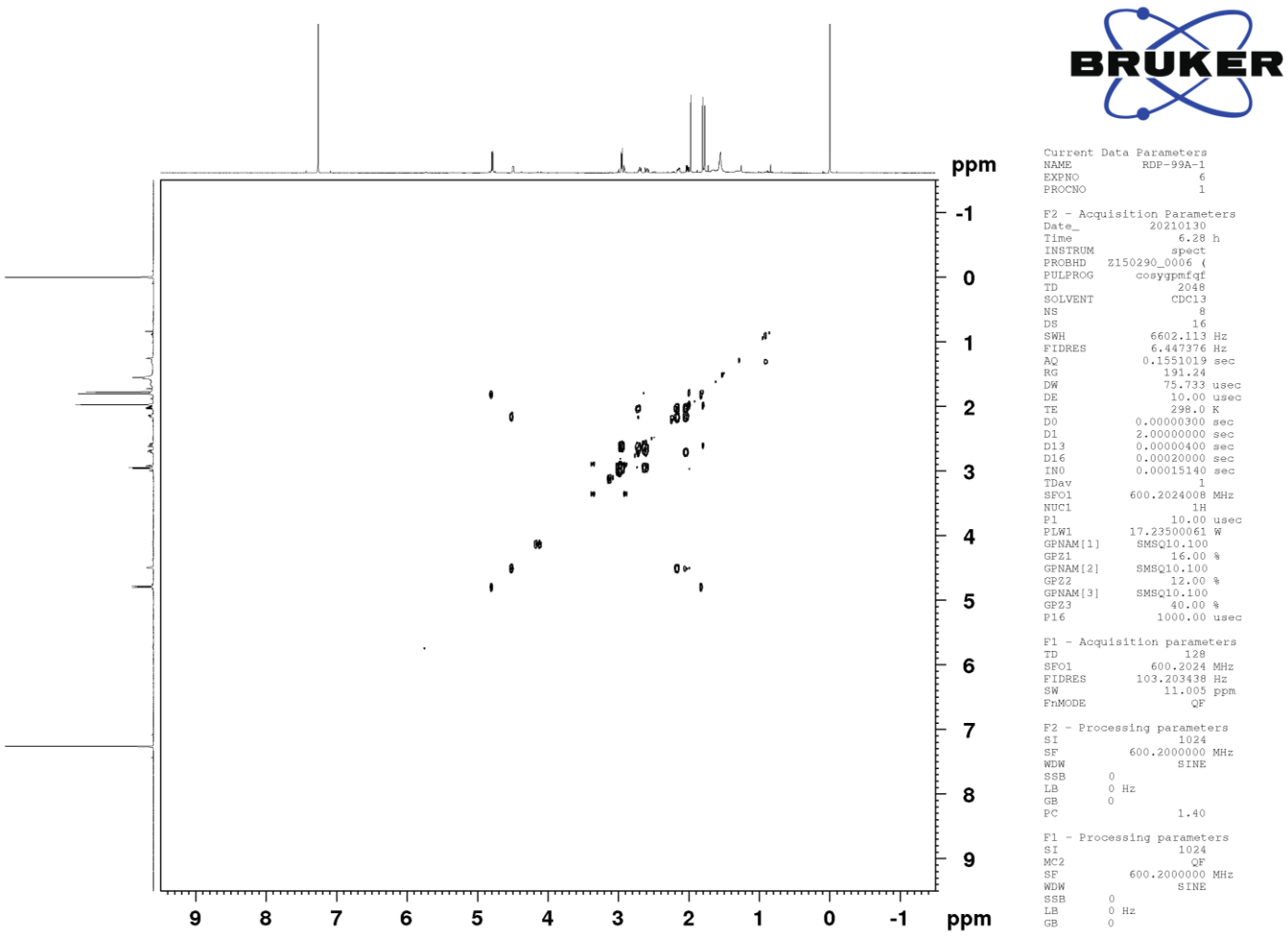
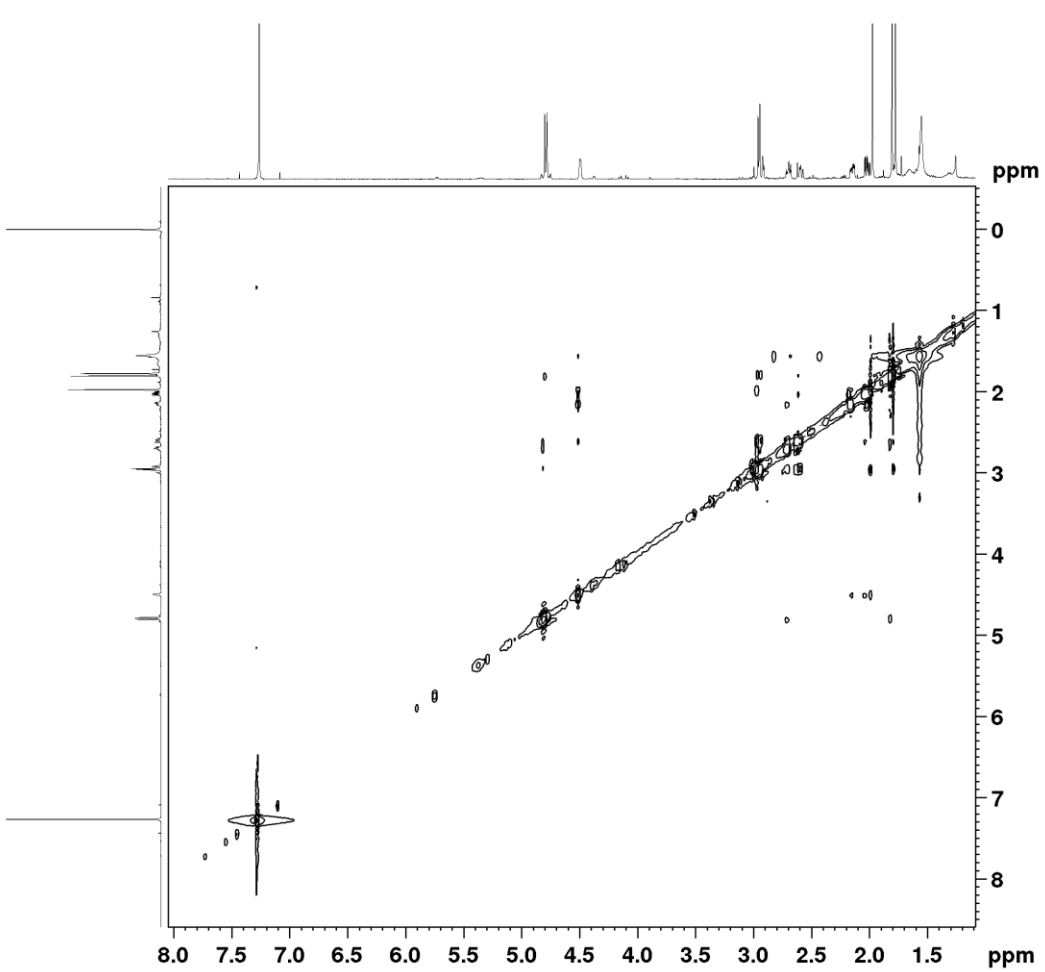
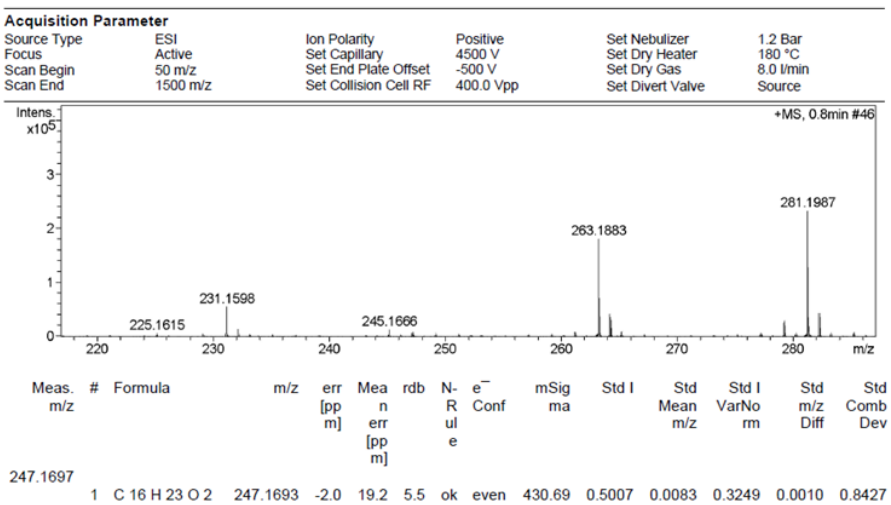


Figure S170 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **30**




```
Current Data Parameters
NAME            RDP-99A-1
EXPNO                   7
PROCNO                  1

F2 - Acquisition Parameters
Date_            20210130
Time                7.06 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                   2048
SOLVENT             CDCl3
NS                      8
DS                     16
SWH              6602.113 Hz
FIDRES           6.447376 Hz
AQ               0.1551019 sec
RG                  60.93
DW                  75.733 usec
DE                  10.00 usec
TE                  298.0 K
D0               0.00006297 sec
D1               2.00000000 sec
D8               0.80000001 sec
D11              0.03000000 sec
D12              0.00002000 sec
D16              0.00020000 sec
IN0              0.00015140 sec
TDav                    1
SFO1           600.2024008 MHz
NUC1                   1H
P1                  10.00 usec
P2                  20.00 usec
P17               2500.00 usec
PLW1           17.23500061 W
PLW10           2.75760007 W
GPNAM[1]       SMSQ10.100
GPZ1                40.00 %
P16               1000.00 usec

F1 - Acquisition parameters
TD                     256
SFO1             600.2024 MHz
FIDRES          51.601719 Hz
SW                 11.005 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                    1024
SF             600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
PC                     1.00

F1 - Processing parameters
SI                    1024
MC2          States-TPPI
SF             600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
```

Figure S171 NOESY spectrum (600 MHz, $CDCl_3$) of compound **30**



Meas. m/z	#	Formula	m/z	err [ppm]	Mean err [ppm]	rdb	N-Rule	e⁻ Conf	mSigma	Std I	Std Mean m/z	Std I VarNorm	Std m/z Diff	Std Comb Dev
247.1697	1	C 16 H 23 O 2	247.1693	-2.0	19.2	5.5	ok	even	430.69	0.5007	0.0083	0.3249	0.0010	0.8427

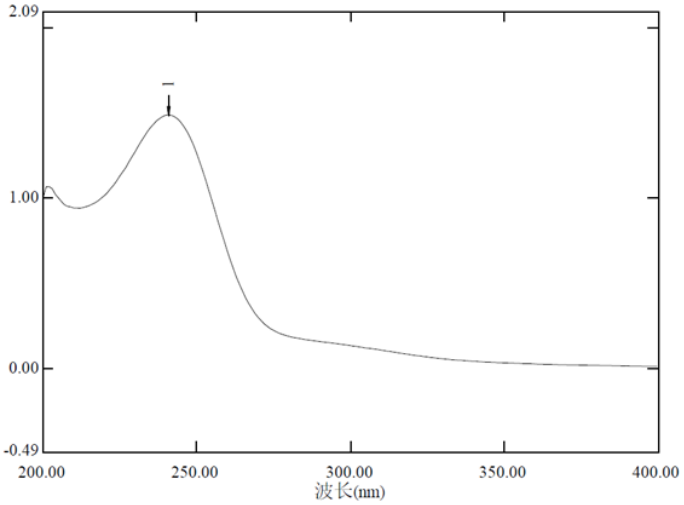


Figure S172 HRESIMS and UV spectra of compound **33**

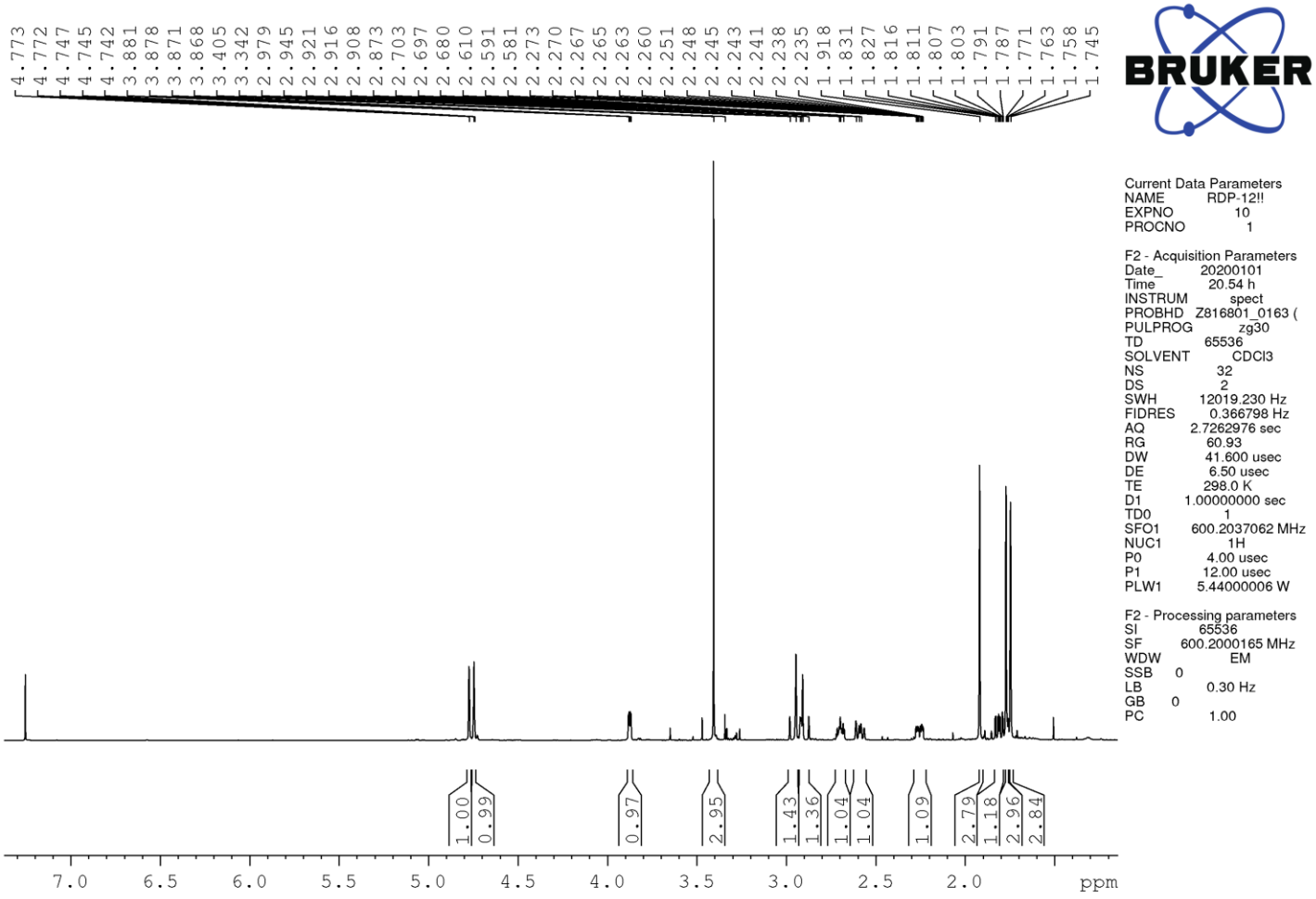


Figure S173 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **33**

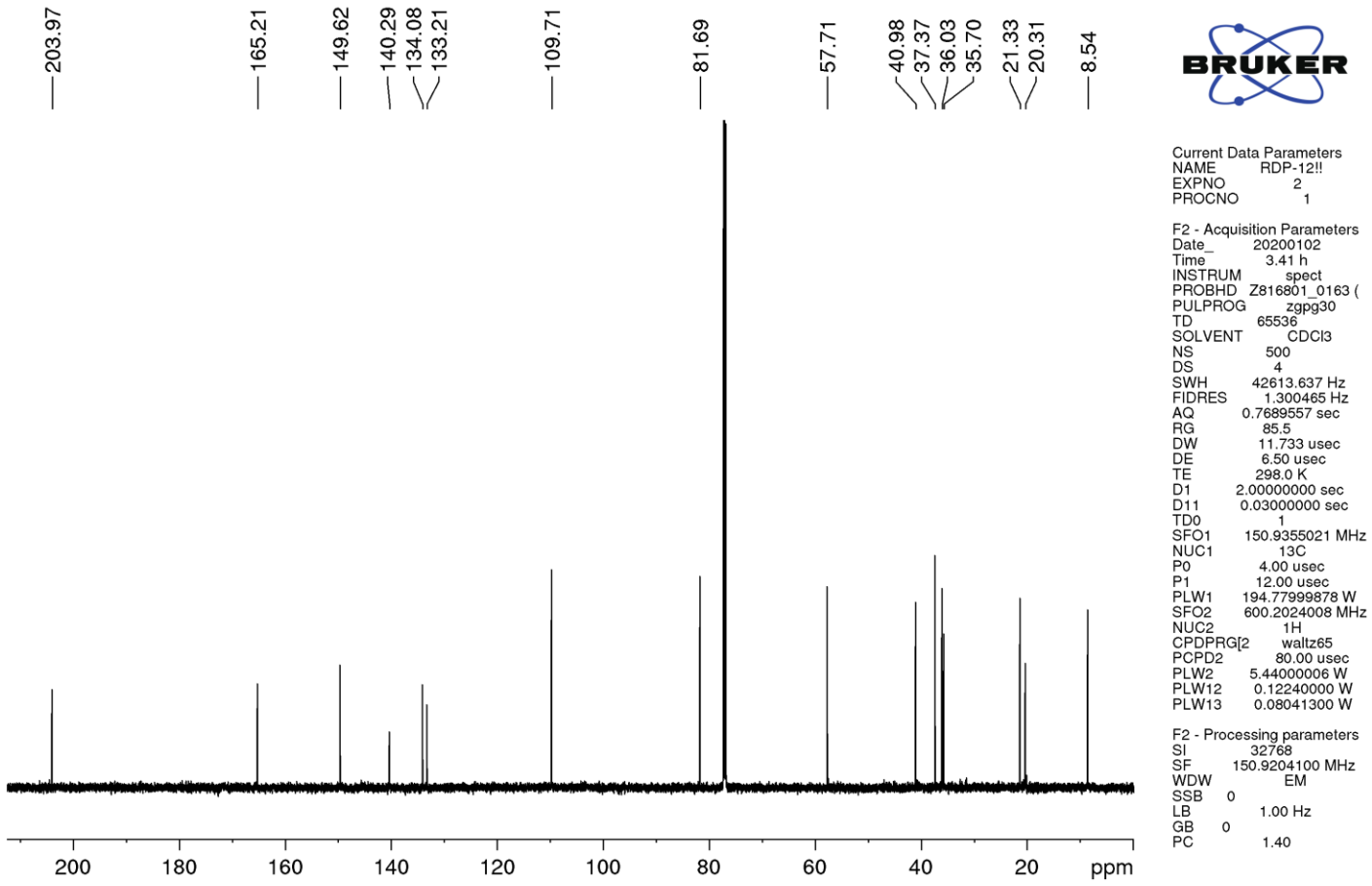
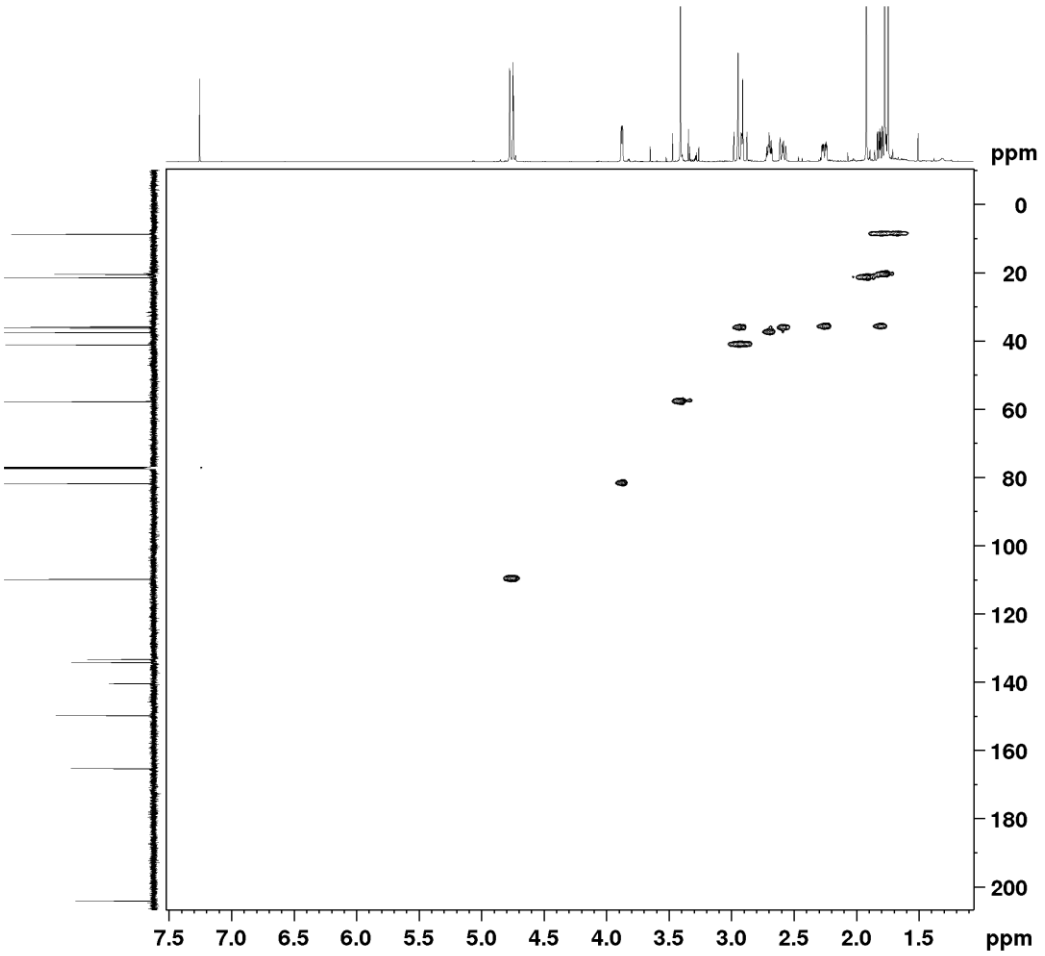
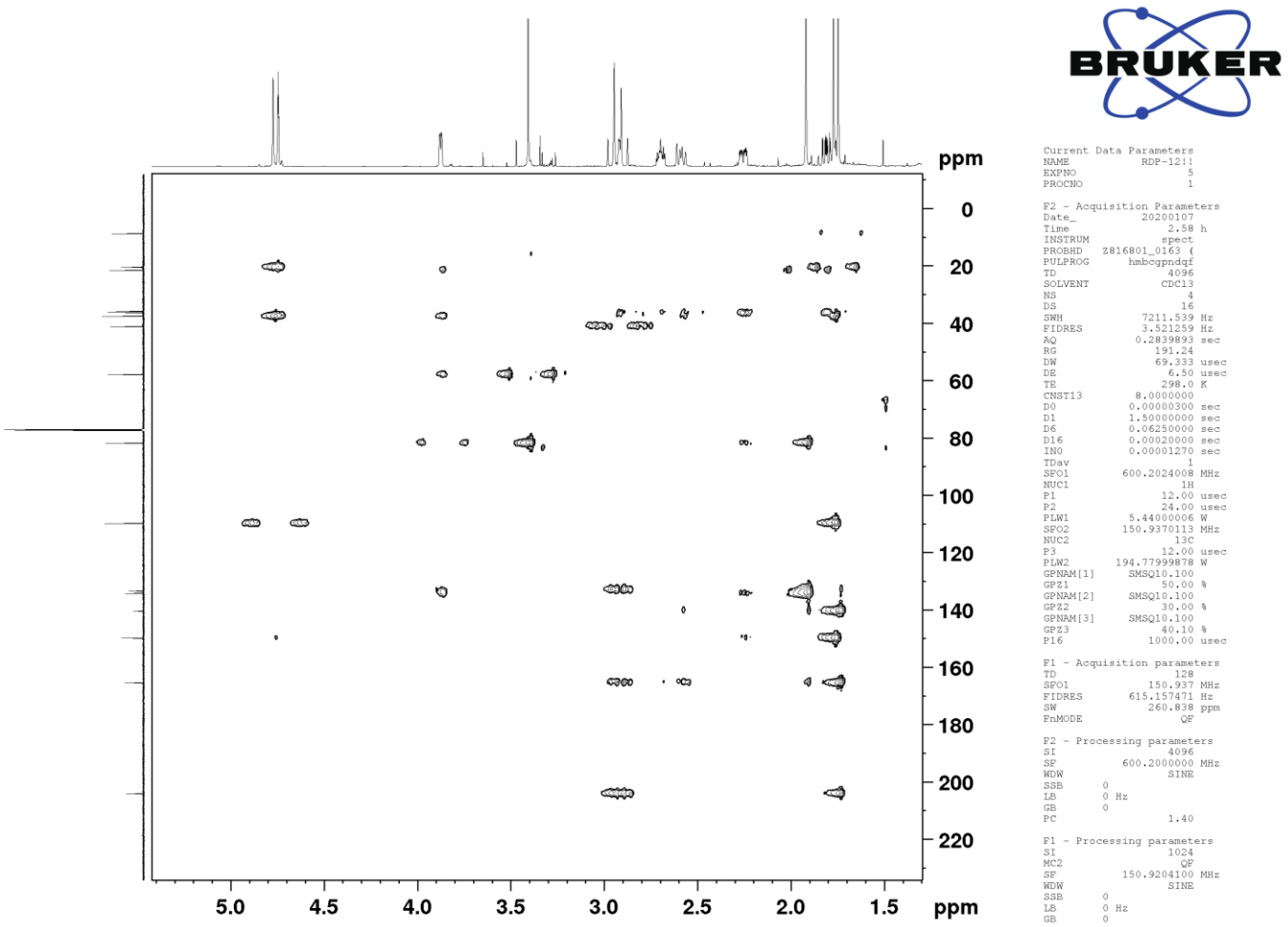


Figure S174 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **33**




```
Current Data Parameters
NAME            RDP-121
EXPNO                 4
PROCNO                1

F2 - Acquisition Parameters
Date_          20200107
Time              2.43 h
INSTRUM             spect
PROBHD   Z816801_0163 (
PULPROG  hsqcetgpaisp2.2
TD                 2048
SOLVENT            CDCl3
NS                    2
DS                   16
SWH           7211.539 Hz
FIDRES        7.042518 Hz
AQ            0.1419947 sec
RG               191.24
DW              69.333 usec
DE               6.50 usec
TE              298.3 K
CNST2       145.0000000
CNST17       -0.5000000
D0           0.00000300 sec
D1           1.50000000 sec
D4           0.00172414 sec
D11          0.03000000 sec
D16          0.00020000 sec
D24          0.00086200 sec
IN0          0.00001270 sec
TDav                  1
SFO1        600.2024008 MHz
NUC1                1H
P1                12.00 usec
P2                24.00 usec
P28             1000.00 usec
PLW1          5.44000006 W
SFO2        150.9370113 MHz
NUC2               13C
CPDPRG[2           garp4
P3                12.00 usec
P14              500.00 usec
P24             2000.00 usec
PCPD2             80.00 usec
PLW0     0 W
PLW2       194.77999878 W
PLW12        4.38259983 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3            0.500
SPOFFS3  0 Hz
SPW3         42.85499954 W
SPNAM[7]    Crp60comp.4
SPOAL7            0.500
SPOFFS7  0 Hz
SPW7         42.85499954 W
GPNAM[1]       SMSQ10.100
GPZ1                80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                -5.00 %
P16             1000.00 usec
P19              600.00 usec

F1 - Acquisition parameters
TD                   256
SFO1          150.937 MHz
FIDRES        307.678795 Hz
SW            260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                  1024
SF           600.2000000 MHz
WDW                 QSINE
SSB                     2
LB       0 Hz
GB       0
PC                   1.40

F1 - Processing parameters
SI                  1024
MC2        echo-antiecho
SF           150.9204100 MHz
WDW                 QSINE
SSB                     2
LB       0 Hz
GB       0
```

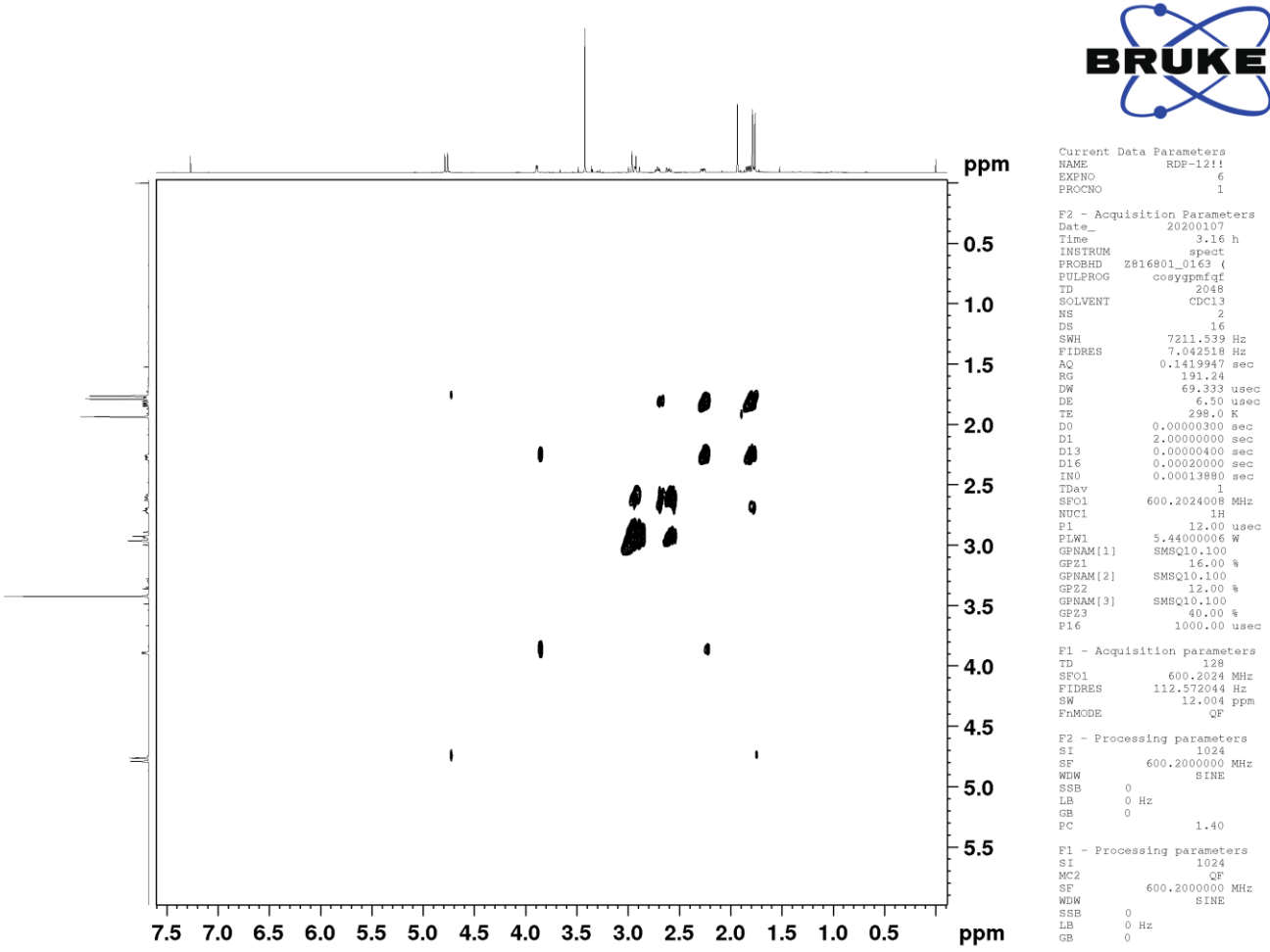
Figure S175 HSQC spectrum (600 MHz, $CDCl_3$) of compound **33**



BRUKER

```
Current Data Parameters
NAME                  RDP-12!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_              20200107
Time                      2.58 h
INSTRUM                 spect
PROBHD    Z816801_0163 (
PULPROG          hmbcgpndqf
TD                       4096
SOLVENT                CDCl3
NS                           4
DS                          16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                         6.50 usec
TE                        298.0 K
CNST13                8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                         1
SFO1               600.2024008 MHz
NUC1                        1H
P1                        12.00 usec
P2                        24.00 usec
PLW1                5.44000006 W
SFO2               150.9370113 MHz
NUC2                        13C
P3                        12.00 usec
PLW2               194.77999878 W
GPNAM[1]          SMSQ10.100
GPZ1                      50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                      30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                      40.10 %
P16                     1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                150.937 MHz
FIDRES              615.157471 Hz
SW                      260.838 ppm
FnMODE                       QF

F2 - Processing parameters
SI                           4096
SF                 600.2000000 MHz
WDW                        SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                           1024
MC2                          QF
SF                 150.9204100 MHz
WDW                        SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S176 HMBC spectrum (600 MHz, $CDCl_3$) of compound **33**



Current Data Parameters
NAME RDP-12!!
EXPNO 6
PROCNO 1

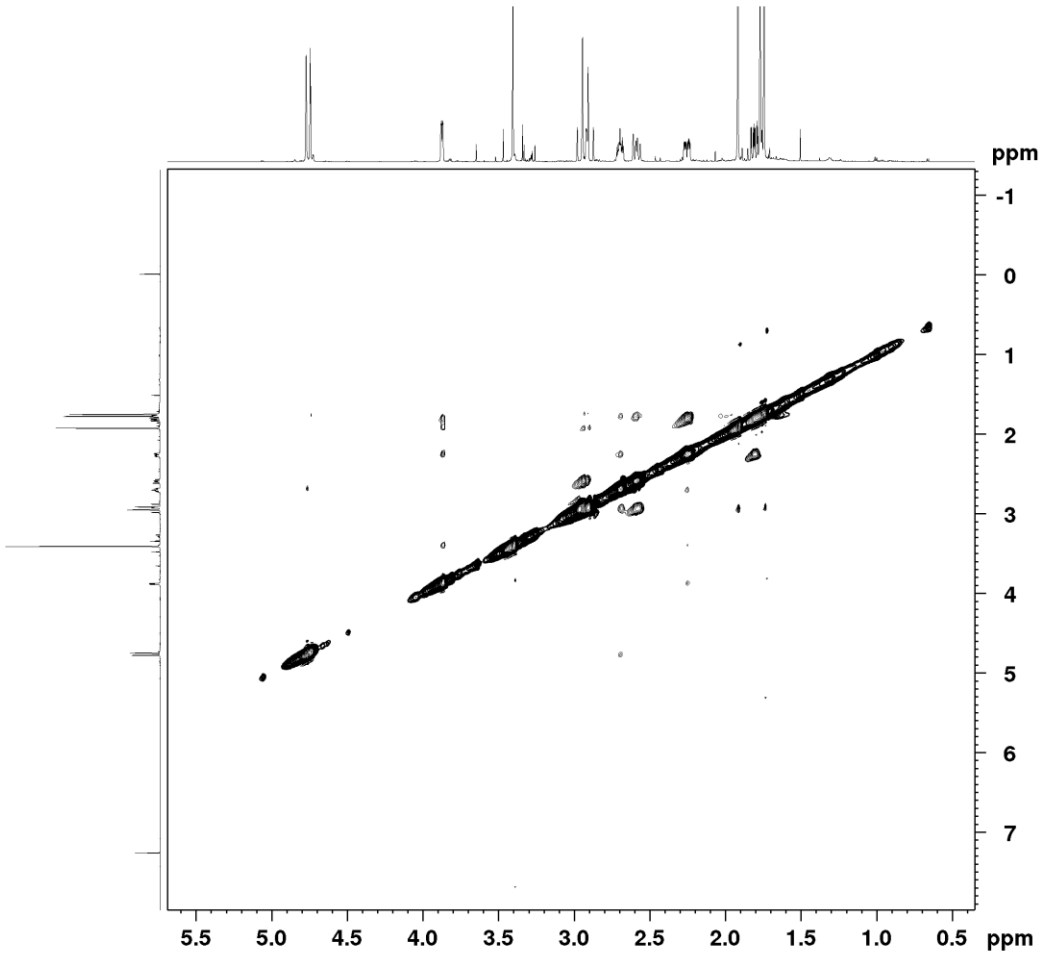
F2 - Acquisition Parameters
Date_ 20200107
Time 3.16 h
INSTRUM spect
PROBHD Z816801_0163 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 6.50 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 12.00 usec
PLW1 5.44000006 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 112.572044 Hz
SW 12.004 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S177 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **33**




```
Current Data Parameters
NAME                  RDP-12!!
EXPNO                        7
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200107
Time                      3.26 h
INSTRUM                   spect
PROBHD    Z816801_0163 (
PULPROG          noesygpphpp
TD                        2048
SOLVENT                  CDCl3
NS                           2
DS                          16
SWH                   7211.539 Hz
FIDRES                7.042518 Hz
AQ                    0.1419947 sec
RG                        60.93
DW                        69.333 usec
DE                         6.50 usec
TE                       298.0 K
D0                    0.00005412 sec
D1                    2.00000000 sec
D8                    0.80000001 sec
D11                   0.03000000 sec
D12                   0.00002000 sec
D16                   0.00020000 sec
IN0                   0.00013880 sec
TDav                         1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       12.00 usec
P2                       24.00 usec
P17                    2500.00 usec
PLW1                  5.44000006 W
PLW10                 1.25339997 W
GPNAM[1]              SMSQ10.100
GPZ1                     40.00 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         256
SFO1                600.2024 MHz
FIDRES                56.286022 Hz
SW                       12.004 ppm
FnMODE              States-TPPI

F2 - Processing parameters
SI                        1024
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
PC                        1.00

F1 - Processing parameters
SI                        1024
MC2                 States-TPPI
SF                  600.2000000 MHz
WDW                       QSINE
SSB                          2
LB                0 Hz
GB                0
```

Figure S178 NOESY spectrum (600 MHz, $CDCl_3$) of compound **33**

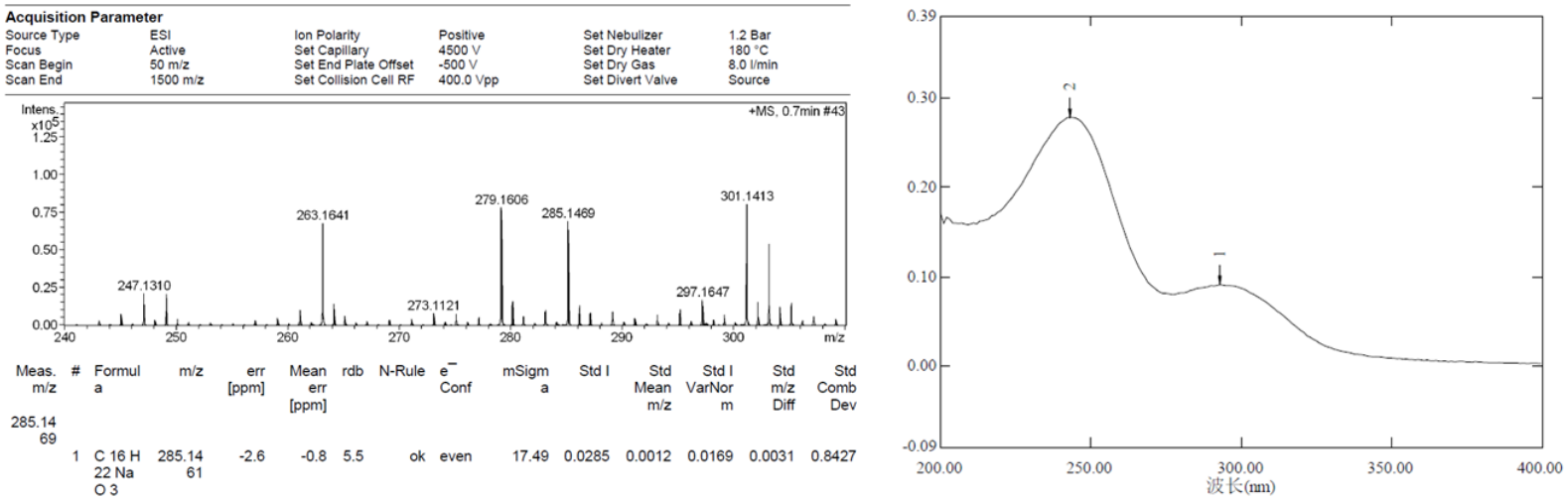


Figure S179 HRESIMS and UV spectra of compound **34**

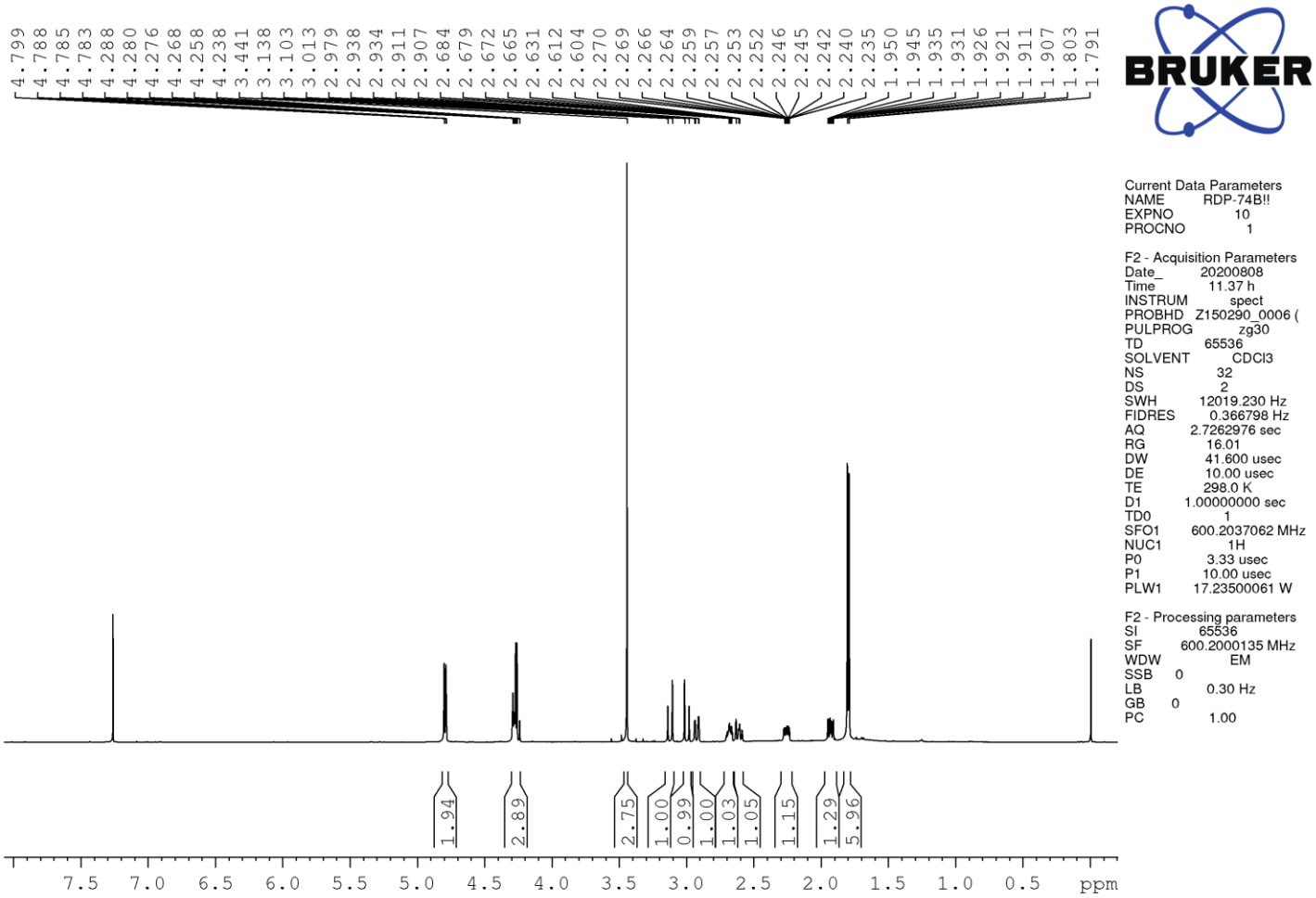


Figure S180 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **34**

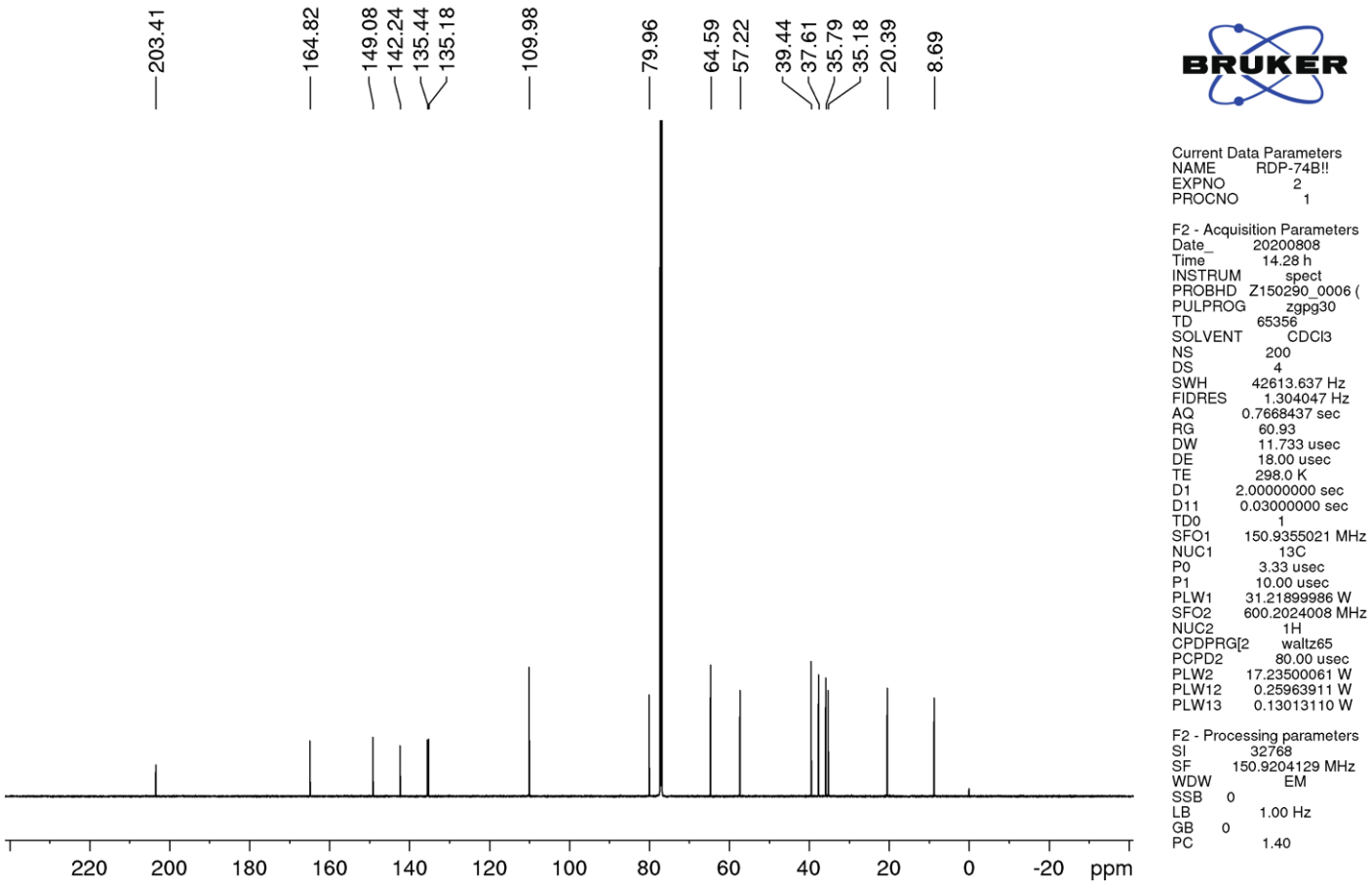
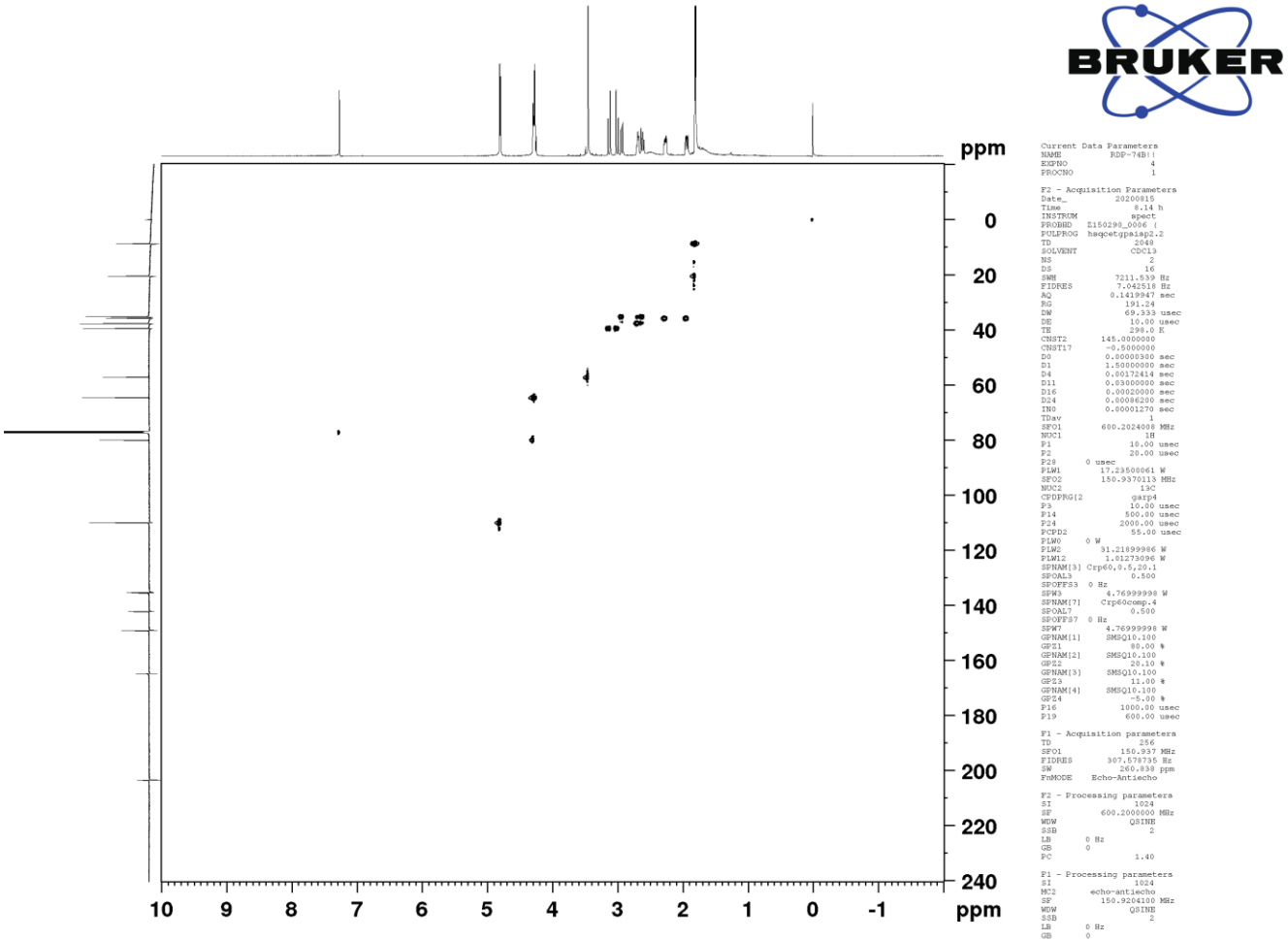


Figure S181 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **34**



Current Data Parameters
NAME RDP-74B!!
EXPNO 4
PROCNO 1

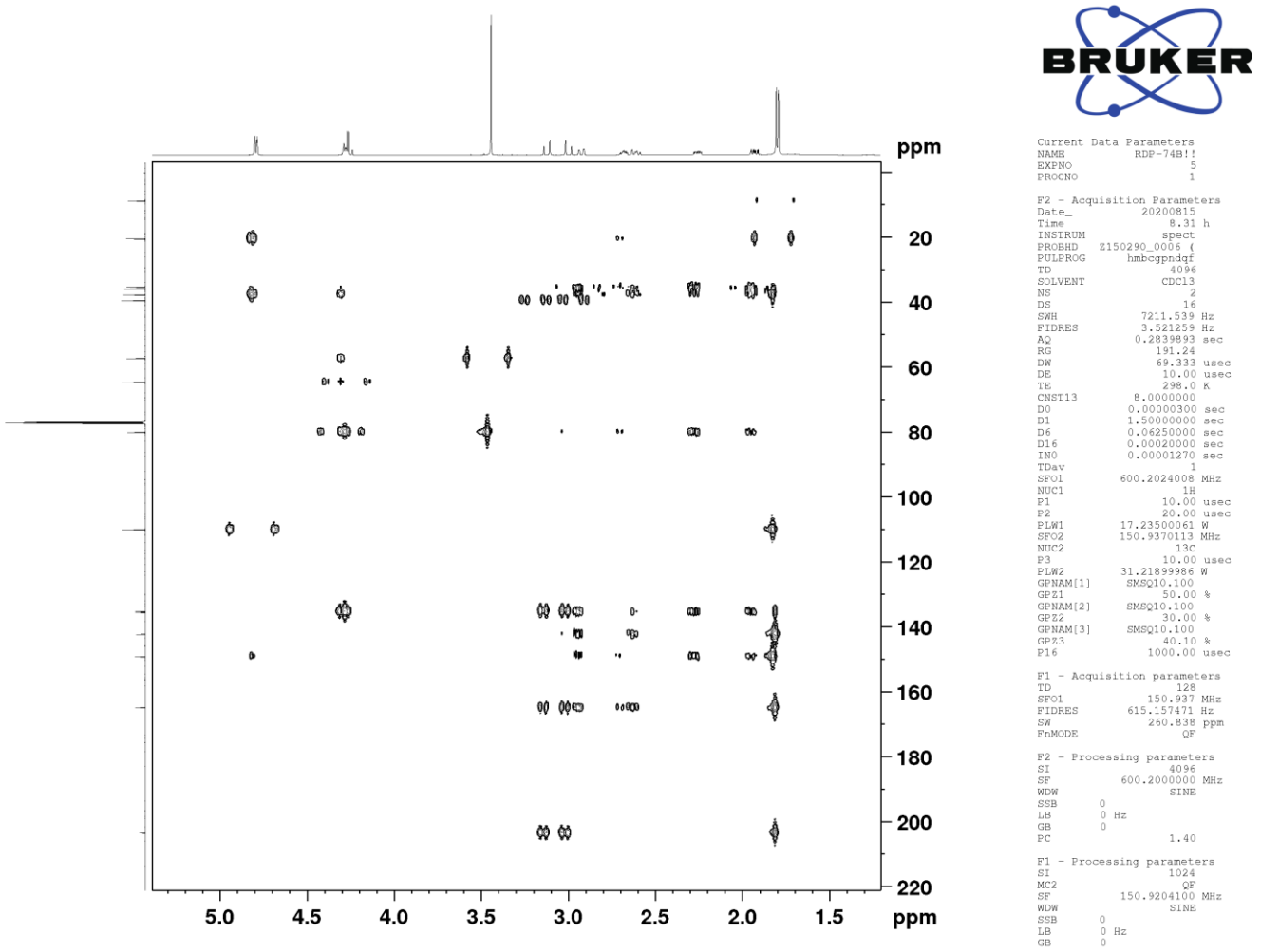
F2 - Acquisition Parameters
Date_ 20200815
Time 8.14 h
INSTRUM spect
PROBHD Z150298_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT CDCl3
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001270 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9370113 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.937 MHz
FIDRES 307.678795 Hz
SW 260.838 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

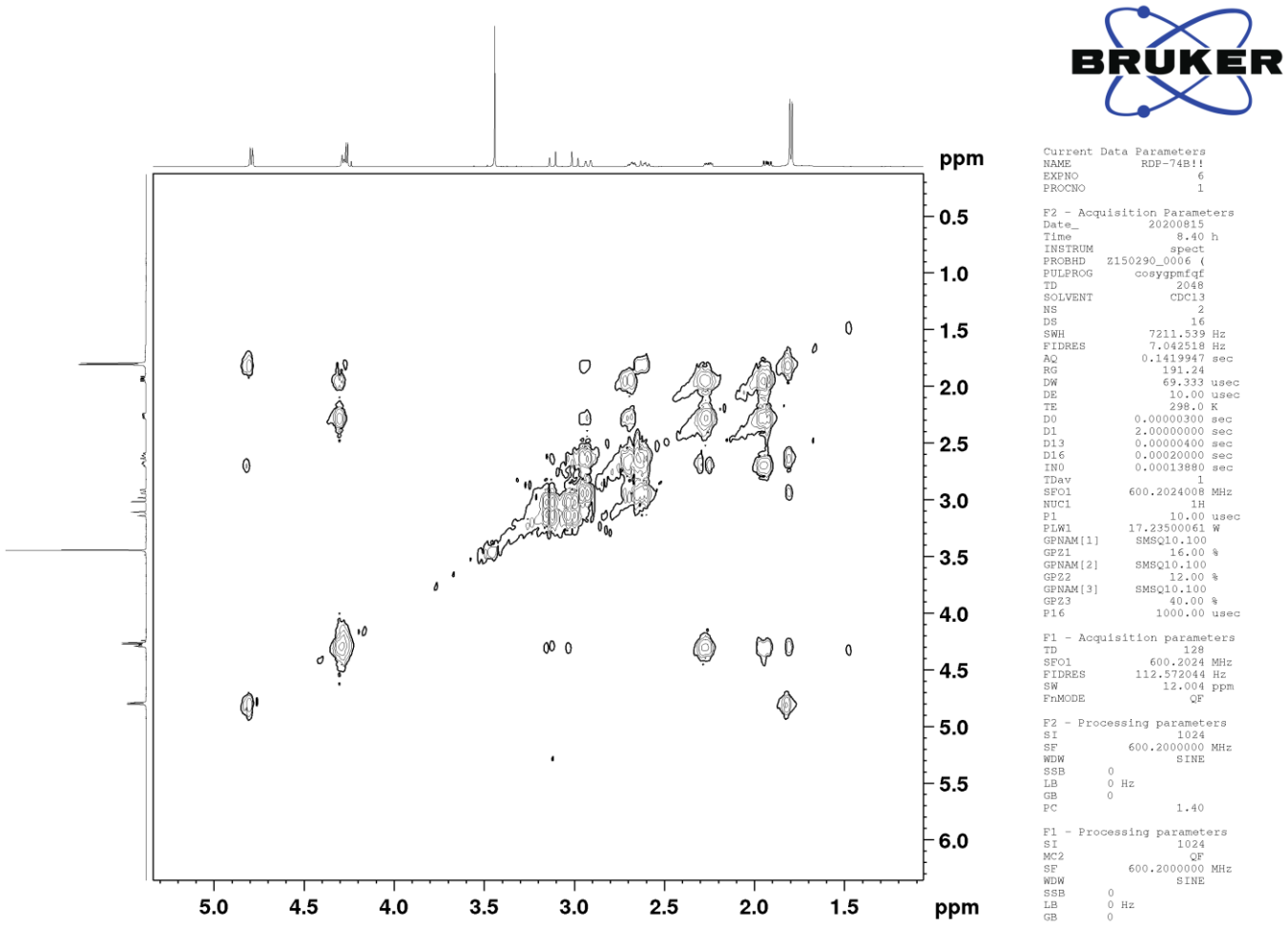
F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S182 HSQC spectrum (600 MHz, $CDCl_3$) of compound **34**



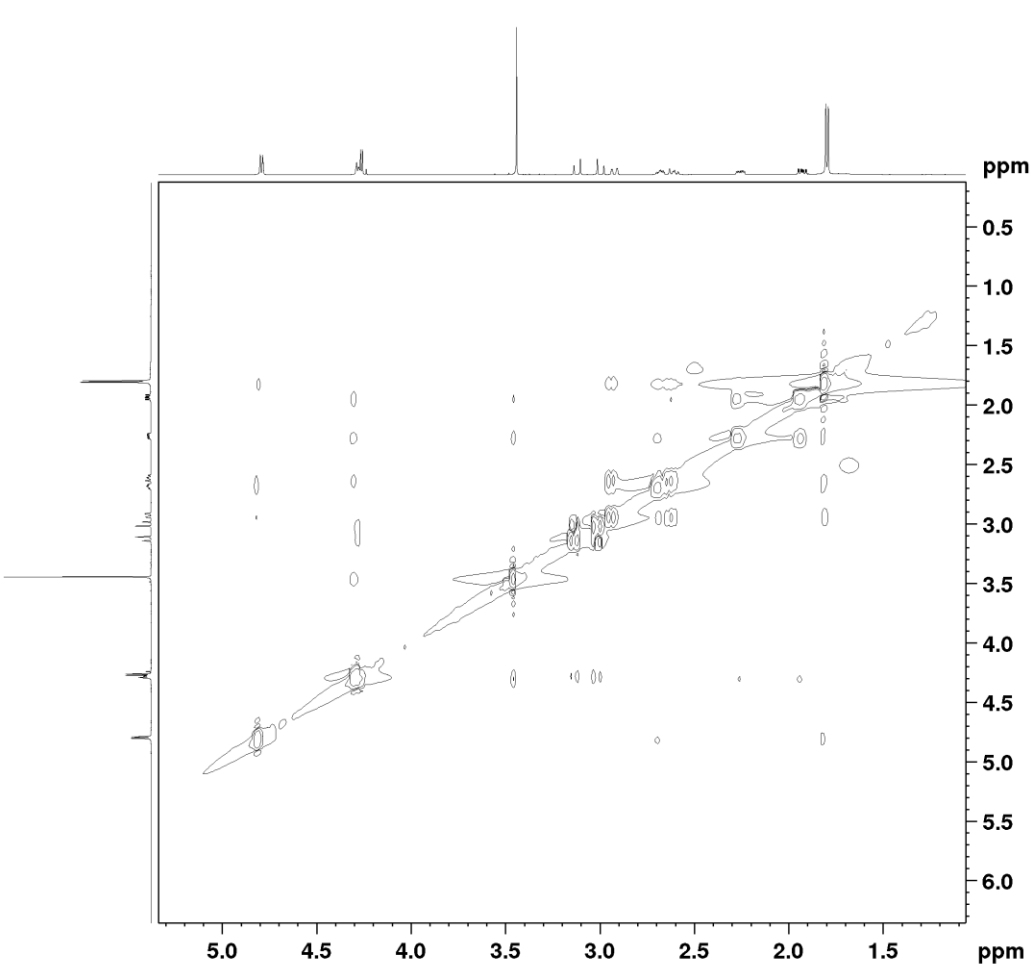

```
Current Data Parameters
NAME                  RDP-74B!!
EXPNO                         5
PROCNO                        1

F2 - Acquisition Parameters
Date_                  20200815
Time                       8.31 h
INSTRUM                   spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                         4096
SOLVENT                  CDCl3
NS                            2
DS                           16
SWH                   7211.539 Hz
FIDRES                3.521259 Hz
AQ                    0.2839893 sec
RG                       191.24
DW                       69.333 usec
DE                       10.00 usec
TE                       298.0 K
CNST13                8.0000000
D0                    0.00000300 sec
D1                    1.50000000 sec
D6                    0.06250000 sec
D16                   0.00020000 sec
IN0                   0.00001270 sec
TDav                          1
SFO1                600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
PLW1                17.23500061 W
SFO2                150.9370113 MHz
NUC2                       13C
P3                       10.00 usec
PLW2                31.21899986 W
GPNAM[1]             SMSQ10.100
GPZ1                      50.00 %
GPNAM[2]             SMSQ10.100
GPZ2                      30.00 %
GPNAM[3]             SMSQ10.100
GPZ3                      40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                          128
SFO1                150.937 MHz
FIDRES               615.157471 Hz
SW                      260.838 ppm
FnMODE                       QF

F2 - Processing parameters
SI                         4096
SF                  600.2000000 MHz
WDW                        SINE
SSB                0
LB                 0 Hz
GB                 0
PC                         1.40

F1 - Processing parameters
SI                         1024
MC2                          QF
SF                  150.9204100 MHz
WDW                        SINE
SSB                0
LB                 0 Hz
GB                 0
```

Figure S183 HMBC spectrum (600 MHz, $CDCl_3$) of compound **34**




```
Current Data Parameters
NAME            RDP-74B!!
EXPNO                   6
PROCNO                  1

F2 - Acquisition Parameters
Date_           20200815
Time                8.40 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                   2048
SOLVENT             CDCl3
NS                      2
DS                     16
SWH              7211.539 Hz
FIDRES           7.042518 Hz
AQ               0.1419947 sec
RG                  191.24
DW                  69.333 usec
DE                  10.00 usec
TE                  298.0 K
D0              0.00000300 sec
D1              2.00000000 sec
D13             0.00000400 sec
D16             0.00020000 sec
IN0             0.00013880 sec
TDav                    1
SFO1           600.2024008 MHz
NUC1                   1H
P1                  10.00 usec
PLW1           17.23500061 W
GPNAM[1]       SMSQ10.100
GPZ1                16.00 %
GPNAM[2]       SMSQ10.100
GPZ2                12.00 %
GPNAM[3]       SMSQ10.100
GPZ3                40.00 %
P16               1000.00 usec

F1 - Acquisition parameters
TD                    128
SFO1            600.2024 MHz
FIDRES          112.572044 Hz
SW                12.004 ppm
FnMODE                 QF

F2 - Processing parameters
SI                    1024
SF            600.2000000 MHz
WDW                   SINE
SSB         0
LB          0 Hz
GB          0
PC                    1.40

F1 - Processing parameters
SI                    1024
MC2                    QF
SF            600.2000000 MHz
WDW                   SINE
SSB         0
LB          0 Hz
GB          0
```

Figure S184 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **34**




```
Current Data Parameters
NAME            RDP-74B!!
EXPNO                   7
PROCNO                  1

F2 - Acquisition Parameters
Date_            20200815
Time                8.50 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                   2048
SOLVENT             CDCl3
NS                      2
DS                     16
SWH              7211.539 Hz
FIDRES           7.042518 Hz
AQ               0.1419947 sec
RG                   60.93
DW                 69.333 usec
DE                  10.00 usec
TE                  298.0 K
D0             0.00005667 sec
D1             2.00000000 sec
D8             0.80000001 sec
D11            0.03000000 sec
D12            0.00002000 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                    1
SFO1          600.2024008 MHz
NUC1                   1H
P1                  10.00 usec
P2                  20.00 usec
P17               2500.00 usec
PLW1          17.23500061 W
PLW10          2.75760007 W
GPNAM[1]       SMSQ10.100
GPZ1                40.00 %
P16               1000.00 usec

F1 - Acquisition parameters
TD                     256
SFO1            600.2024 MHz
FIDRES          56.286022 Hz
SW                 12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                    1024
SF            600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
PC                     1.00

F1 - Processing parameters
SI                    1024
MC2          States-TPPI
SF            600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
```

Figure S185 NOESY spectrum (600 MHz, $CDCl_3$) of compound **34**

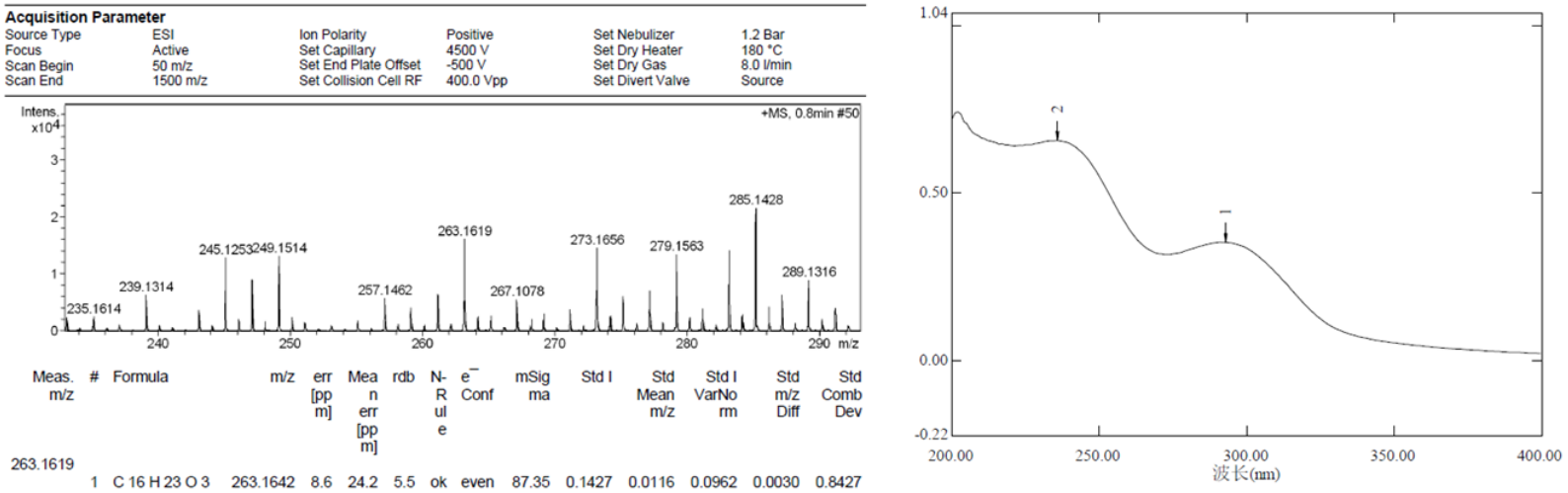


Figure S186 HRESIMS and UV spectra of compound **35**

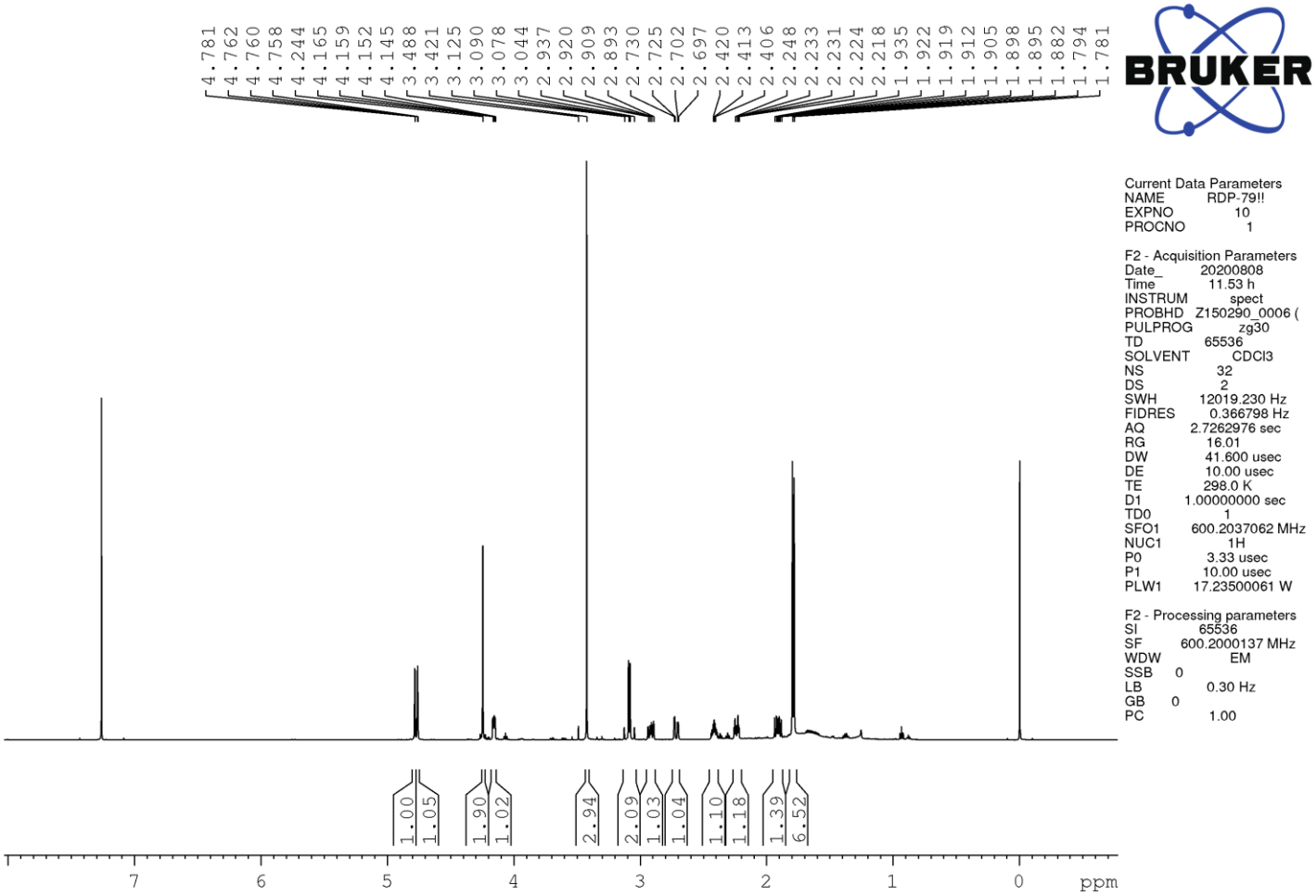


Figure S187 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **35**

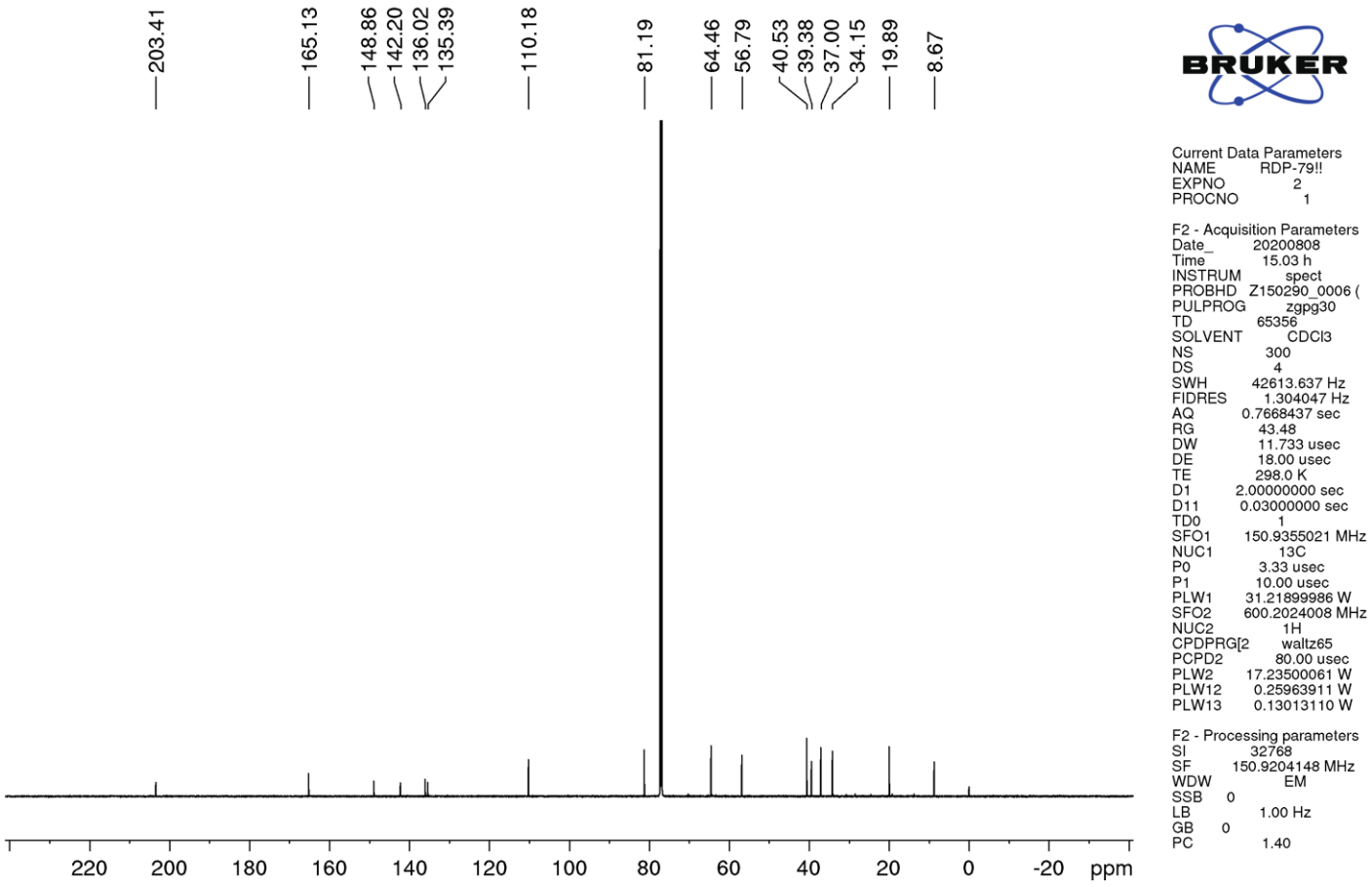
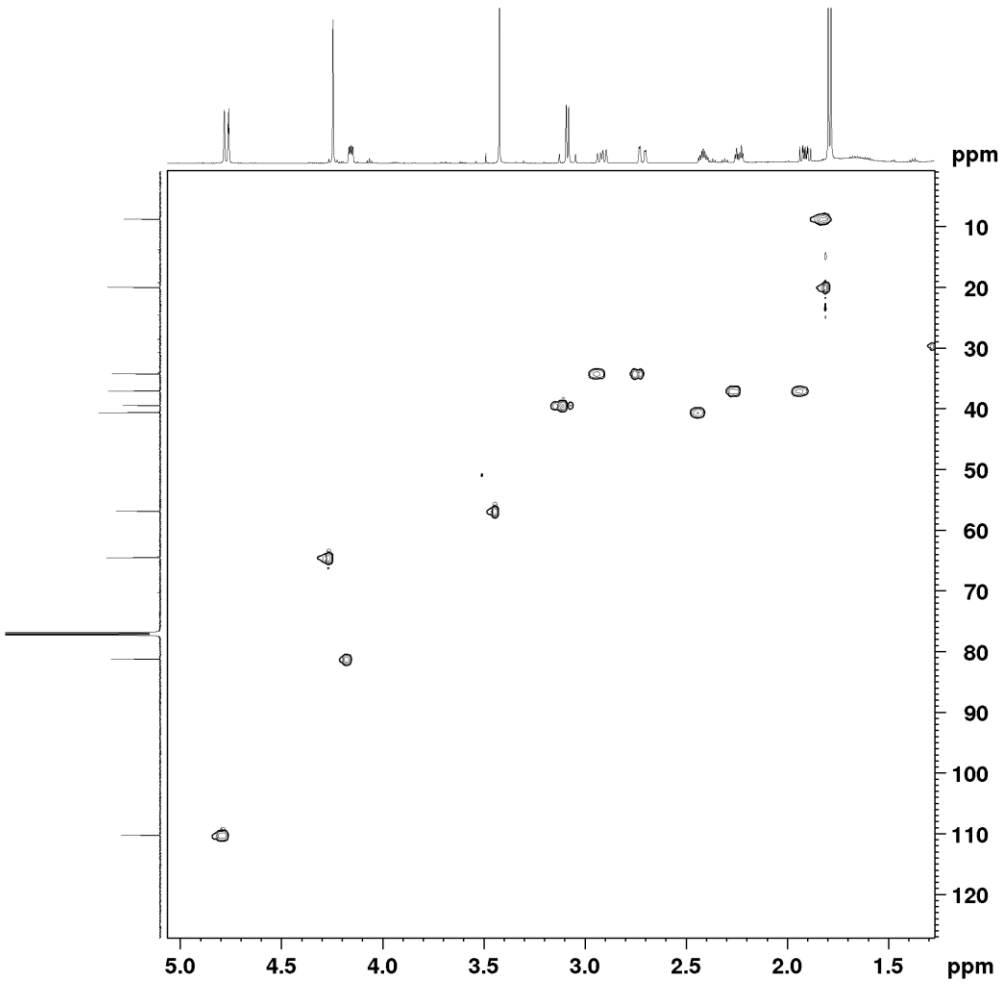
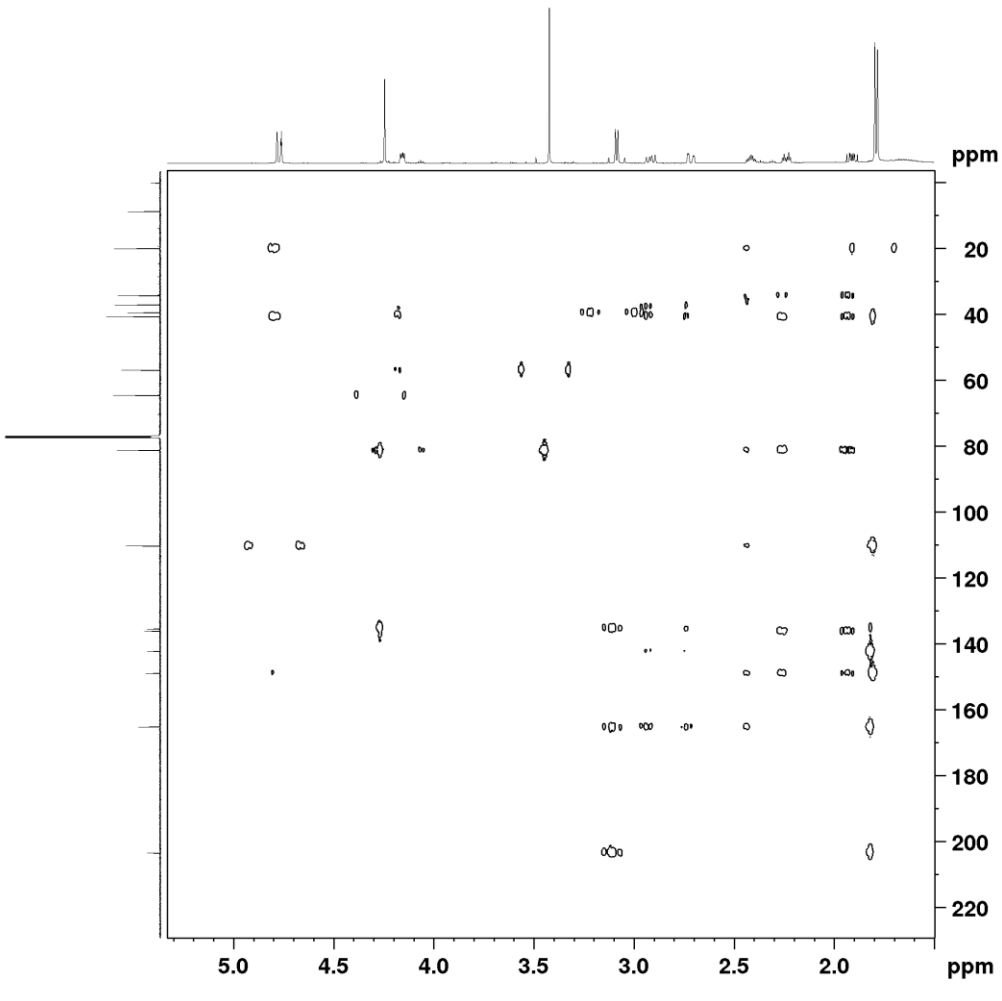


Figure S188 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **35**



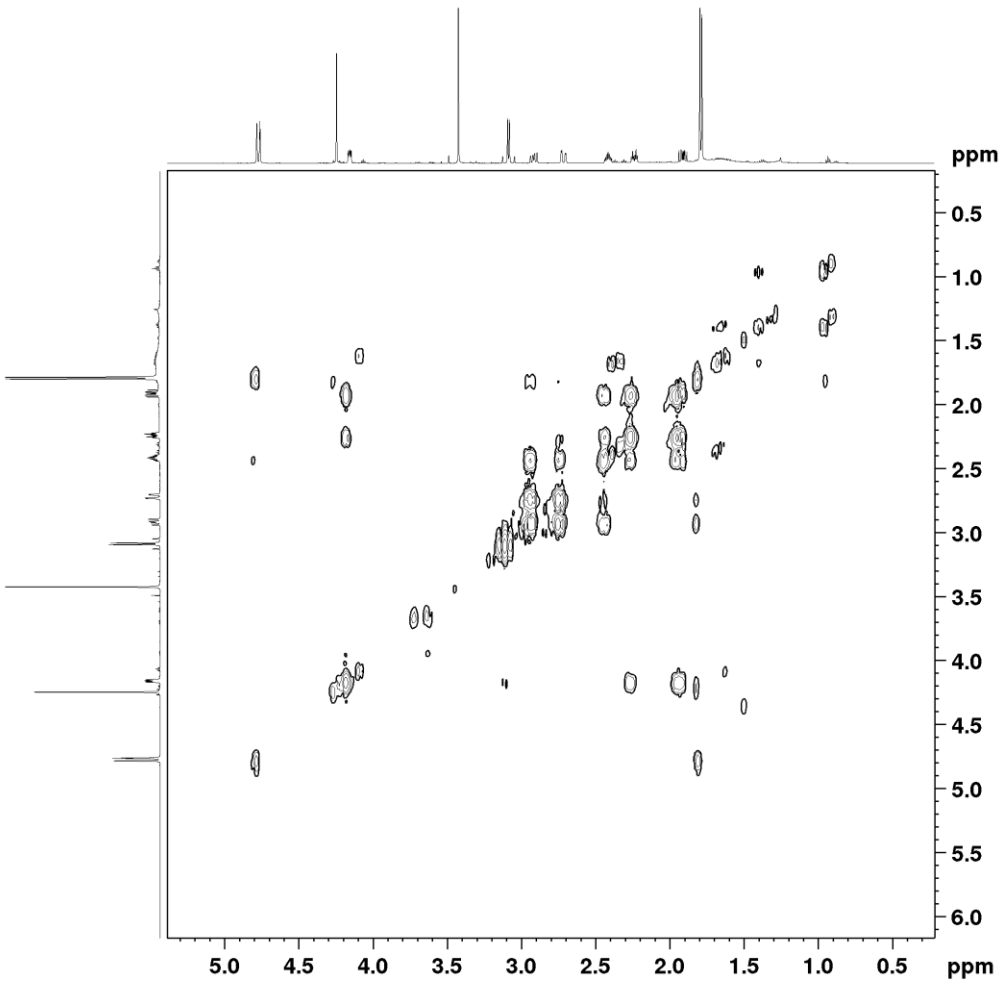

```
Current Data Parameters
NAME              RDP-791f
EXPNO                    4
PROCNO                   1

F2 - Acquisition Parameters
Date_           20200815
Time              12.27 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042519 Hz
AQ              0.1419947 sec
RG                 191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
CNST2         145.00000000
CNST17         -0.50000000
D0             0.00000300 sec
D1             1.50000000 sec
D4             0.00172414 sec
D11            0.03000000 sec
D16            0.00020000 sec
D24            0.00086200 sec
IN0            0.00001270 sec
TDav                   1
SFO1          600.2024008 MHz
NUC1                  1H
P1                 10.00 usec
P2                 20.00 usec
P28        0 usec
PLW1        17.23500061 W
SFO2        150.9370113 MHz
NUC2                 13C
CPDPRG[2             garp4
P3                 10.00 usec
P14               500.00 usec
P24              2000.00 usec
PCPD2             55.00 usec
PLW0       0 W
PLW2        31.21899986 W
PLW12        1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3               0.500
SPOFFS3   0 Hz
SPW3         4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7               0.500
SPOFFS7   0 Hz
SPW7         4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                -5.00 %
P16               1000.00 usec
P19                600.00 usec

F1 - Acquisition parameters
TD                     256
SFO1            150.937 MHz
FIDRES          307.578735 Hz
SW                260.838 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                    1024
SF           600.2000000 MHz
WDW                  QSINE
SSB                      2
LB         0 Hz
GB         0
PC                    1.40

F1 - Processing parameters
SI                    1024
MC2         echo-antiecho
SF            150.9204100 MHz
WDW                  QSINE
SSB                      2
LB         0 Hz
GB         0
```

Figure S189 HSQC spectrum (600 MHz, $CDCl_3$) of compound **35**



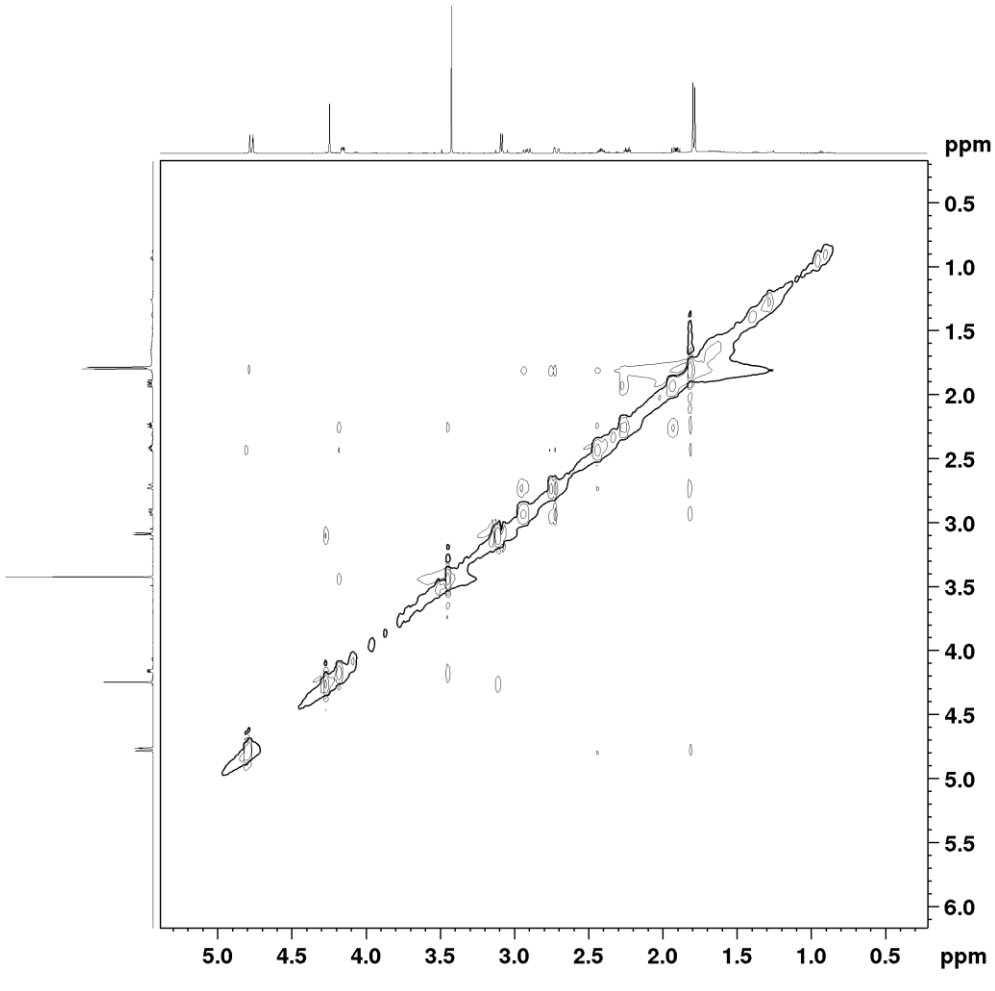

```
Current Data Parameters
NAME                  RDP-79!!
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20200815
Time                     12.43 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                        4096
SOLVENT                  CDCl3
NS                           2
DS                          16
SWH                  7211.539 Hz
FIDRES               3.521259 Hz
AQ                   0.2839893 sec
RG                      191.24
DW                      69.333 usec
DE                      10.00 usec
TE                      298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                         1
SFO1               600.2024008 MHz
NUC1                        1H
P1                      10.00 usec
P2                      20.00 usec
PLW1               17.23500061 W
SFO2               150.9370113 MHz
NUC2                        13C
P3                      10.00 usec
PLW2               31.21899986 W
GPNAM[1]            SMSQ10.100
GPZ1                    50.00 %
GPNAM[2]            SMSQ10.100
GPZ2                    30.00 %
GPNAM[3]            SMSQ10.100
GPZ3                    40.10 %
P16                   1000.00 usec

F1 - Acquisition parameters
TD                           128
SFO1                 150.937 MHz
FIDRES               615.157471 Hz
SW                      260.838 ppm
FnMODE                       QF

F2 - Processing parameters
SI                        4096
SF                 600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                 150.9204100 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S190 HMBC spectrum (600 MHz, $CDCl_3$) of compound **35**




```
Current Data Parameters
NAME            RDP-79!!
EXPNO                  6
PROCNO                 1

F2 - Acquisition Parameters
Date_           20200815
Time               12.52 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ             0.1419947 sec
RG                191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0            0.00000300 sec
D1            2.00000000 sec
D13           0.00000400 sec
D16           0.00020000 sec
IN0           0.00013880 sec
TDav                   1
SFO1         600.2024008 MHz
NUC1                  1H
P1                 10.00 usec
PLW1        17.23500061 W
GPNAM[1]      SMSQ10.100
GPZ1               16.00 %
GPNAM[2]      SMSQ10.100
GPZ2               12.00 %
GPNAM[3]      SMSQ10.100
GPZ3               40.00 %
P16              1000.00 usec

F1 - Acquisition parameters
TD                   128
SFO1            600.2024 MHz
FIDRES        112.572044 Hz
SW                12.004 ppm
FnMODE                QF

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
PC                  1.40

F1 - Processing parameters
SI                   1024
MC2                    QF
SF            600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S191 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **35**




```
Current Data Parameters
NAME            RDP-79!!
EXPNO                  7
PROCNO                 1

F2 - Acquisition Parameters
Date_           20200815
Time               13.03 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                  2048
SOLVENT             CDCl3
NS                     2
DS                    16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                 60.93
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0             0.00005667 sec
D1             2.00000000 sec
D8             0.80000001 sec
D11            0.03000000 sec
D12            0.00002000 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                   1
SFO1          600.2024008 MHz
NUC1                  1H
P1                 10.00 usec
P2                 20.00 usec
P17              2500.00 usec
PLW1          17.23500061 W
PLW10          2.75760007 W
GPNAM[1]       SMSQ10.100
GPZ1              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                   256
SFO1            600.2024 MHz
FIDRES         56.286022 Hz
SW                12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                  1024
SF            600.2000000 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
PC                   1.00

F1 - Processing parameters
SI                  1024
MC2          States-TPPI
SF            600.2000000 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
```

Figure S192 NOESY spectrum (600 MHz, $CDCl_3$) of compound **35**

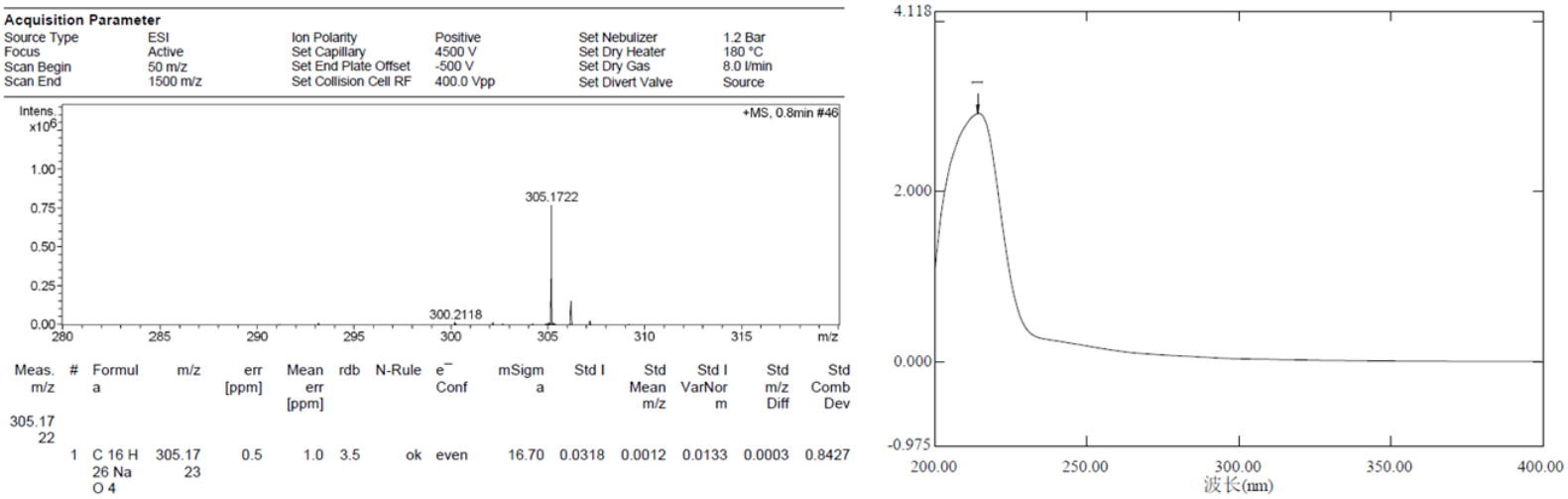


Figure S193 HRESIMS and UV spectra of compound **36**

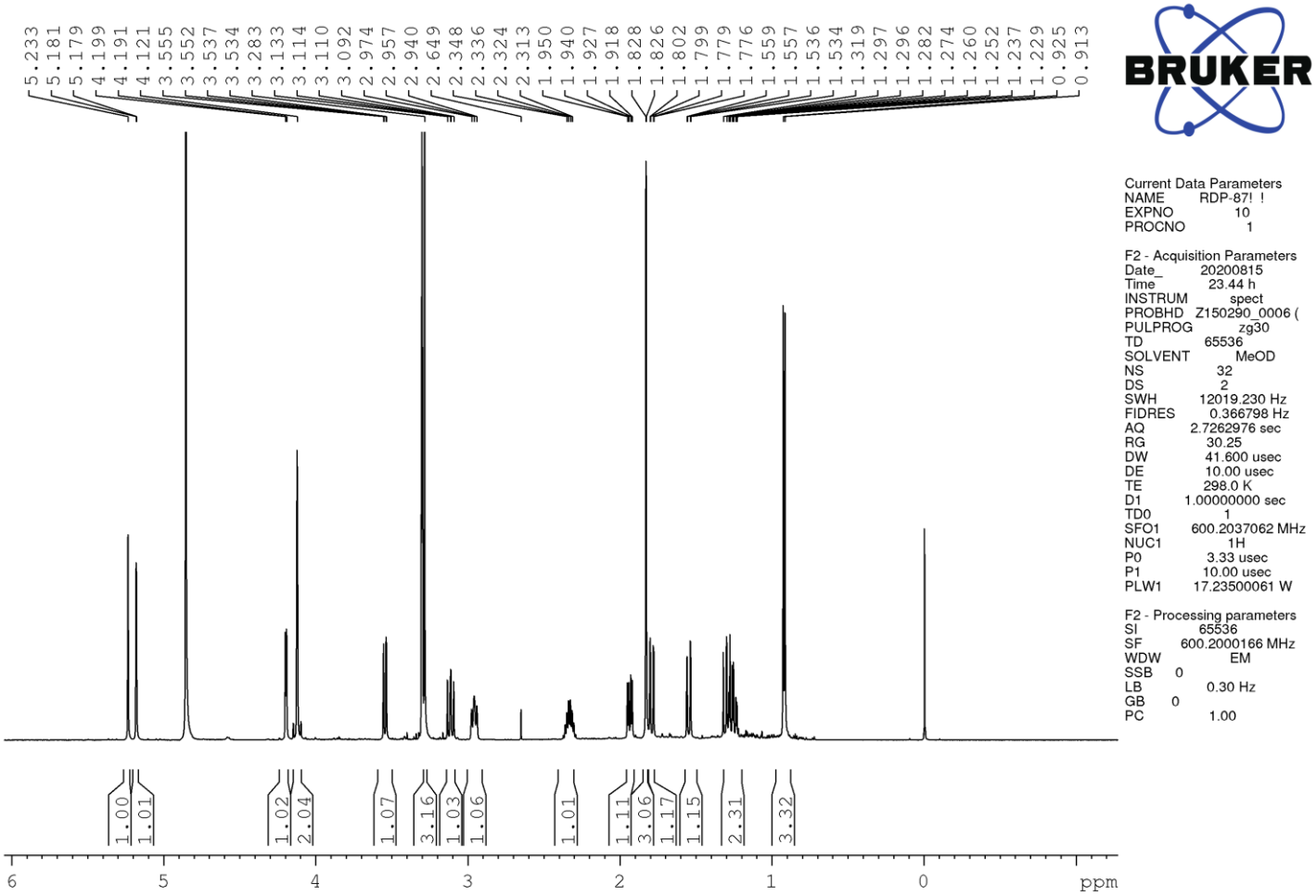


Figure S194 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **36**

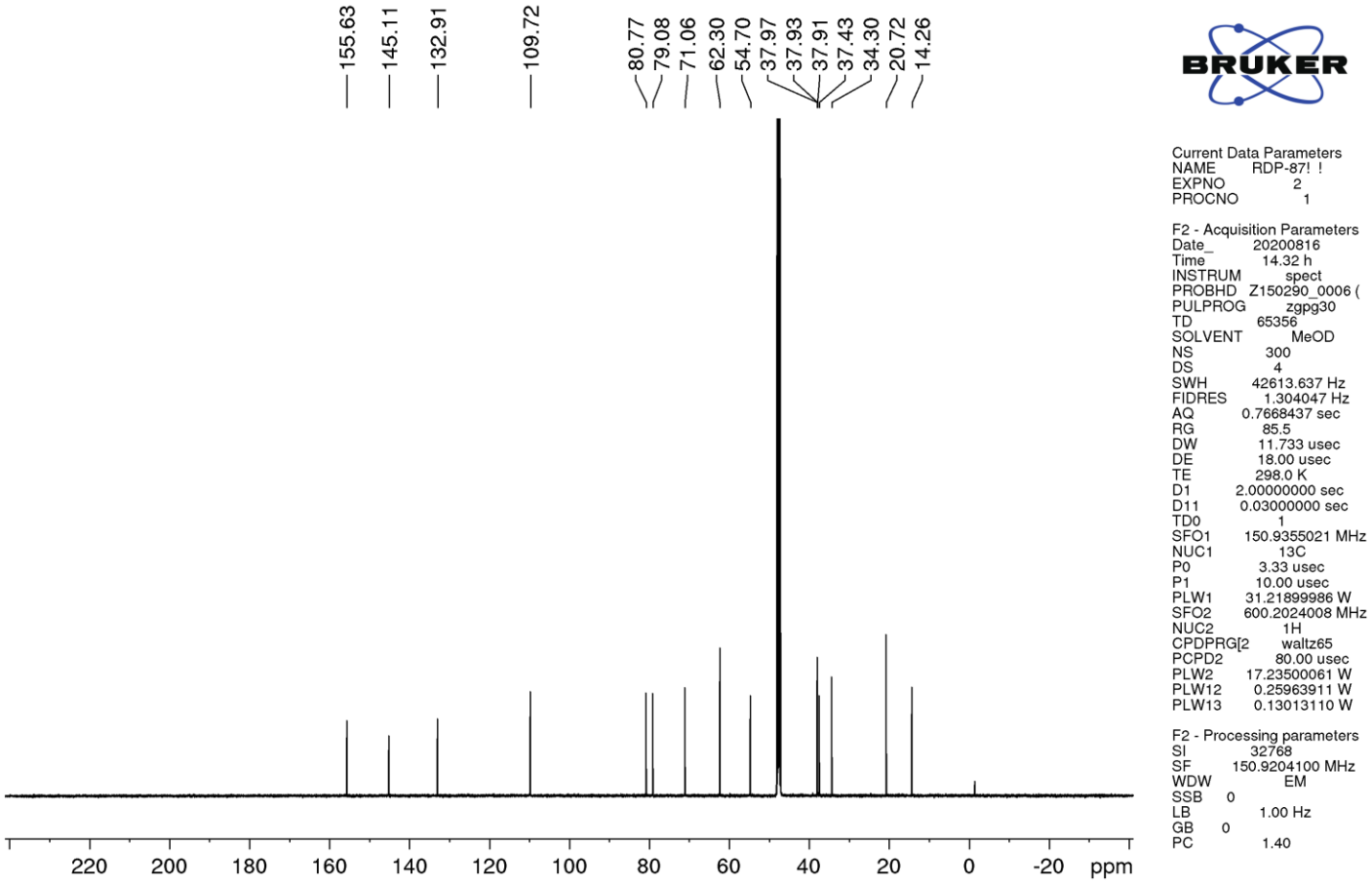
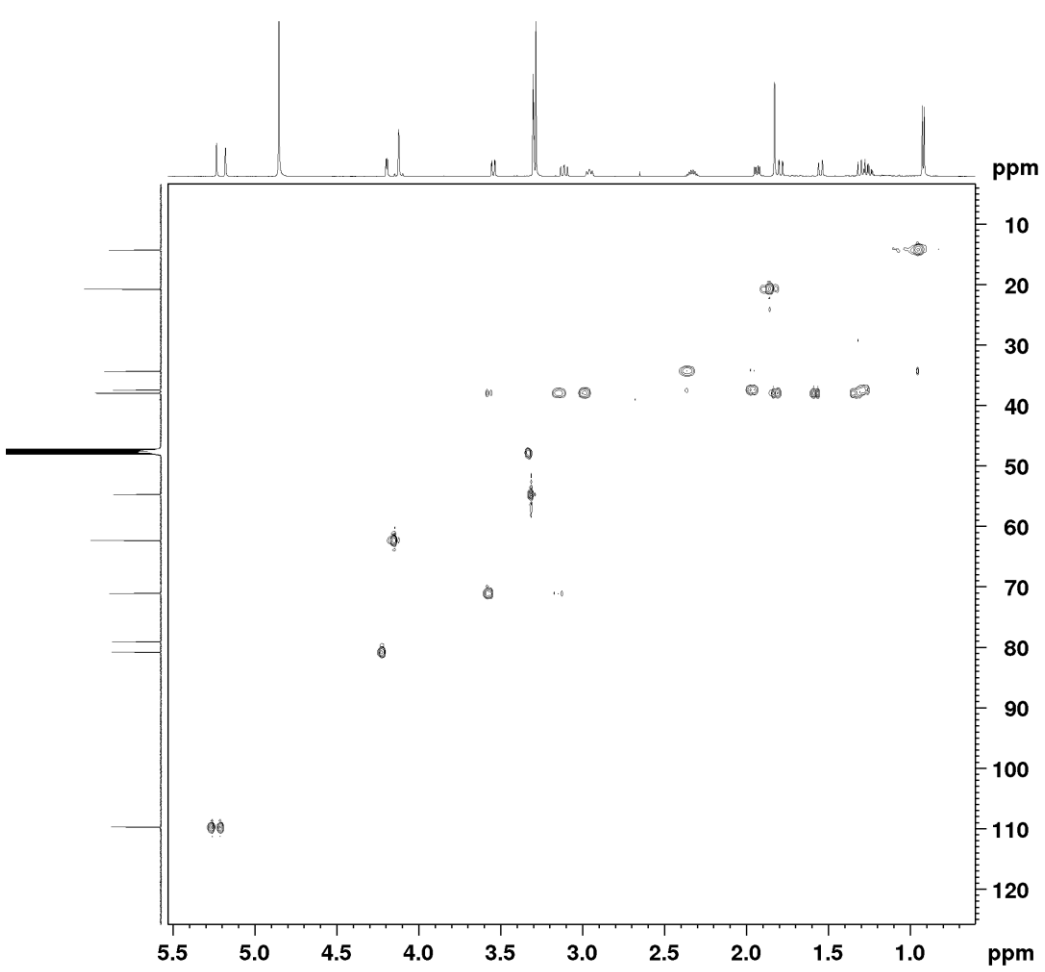


Figure S195 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **36**



Current Data Parameters
NAME RDP-87! !
EXPNO 4
PROCNO 1

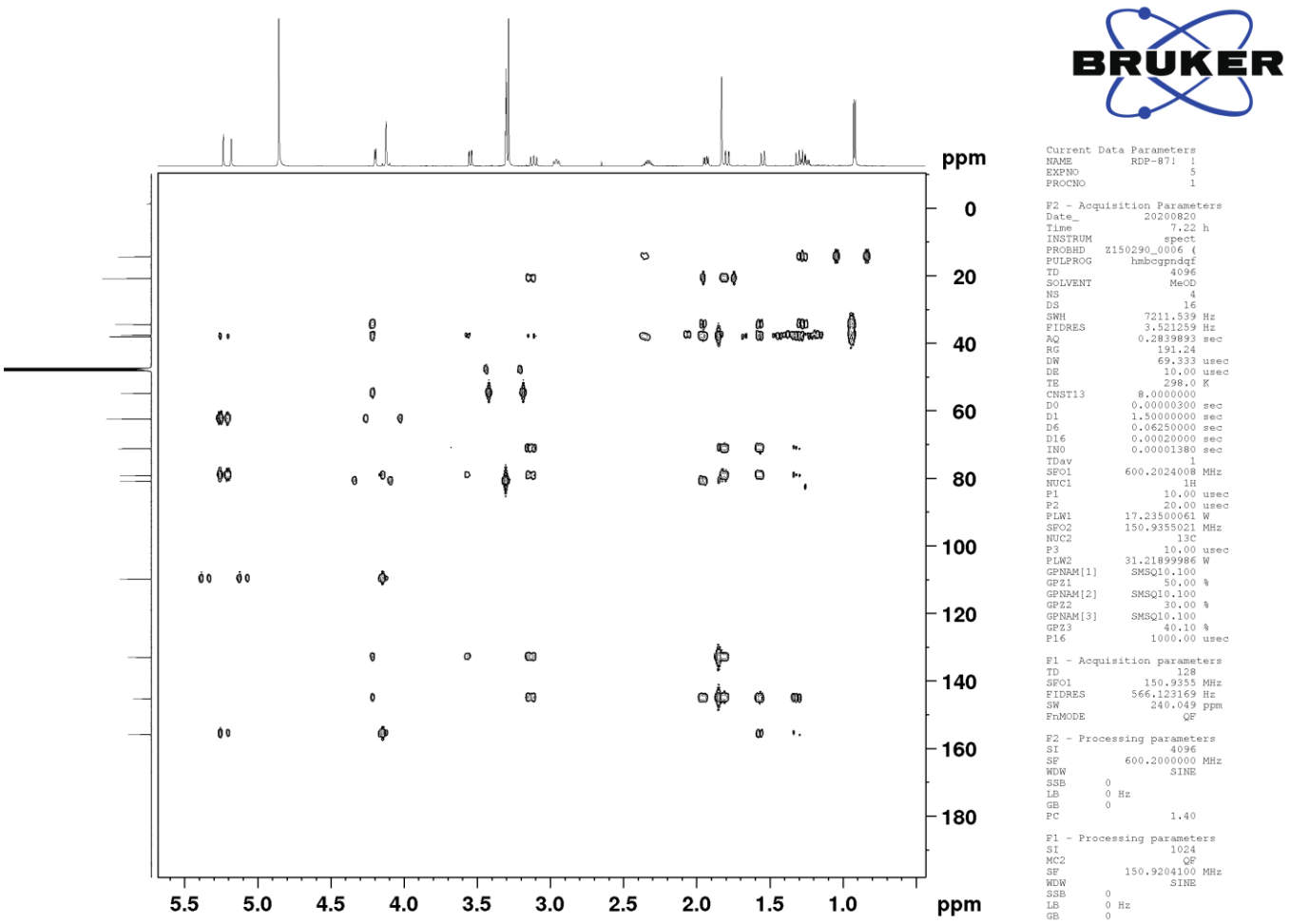
F2 - Acquisition Parameters
Date_ 20200820
Time 7.06 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpaisp2.2
TD 2048
SOLVENT MeOD
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.0000000
CNST17 -0.5000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001380 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9355021 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.9355 MHz
FIDRES 283.061594 Hz
SW 240.049 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

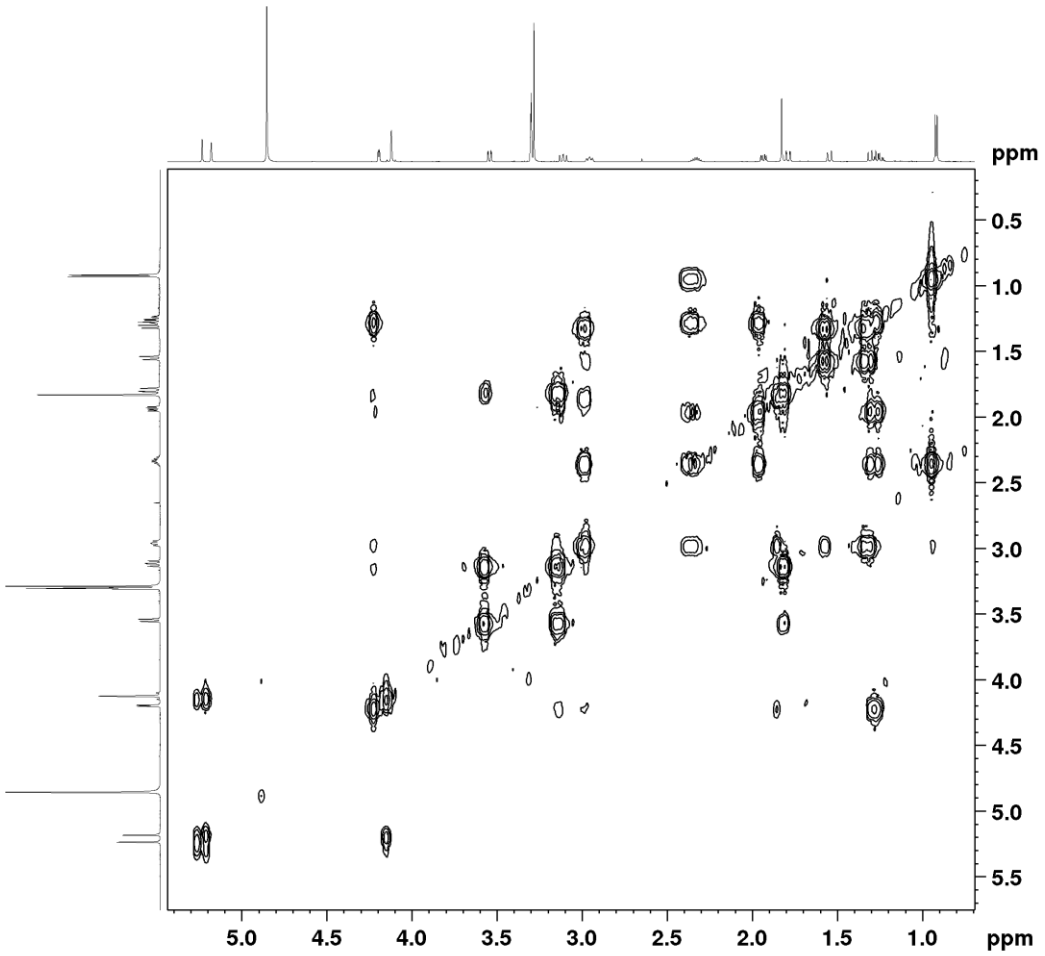
F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S196 HSQC spectrum (600 MHz, $CDCl_3$) of compound **36**



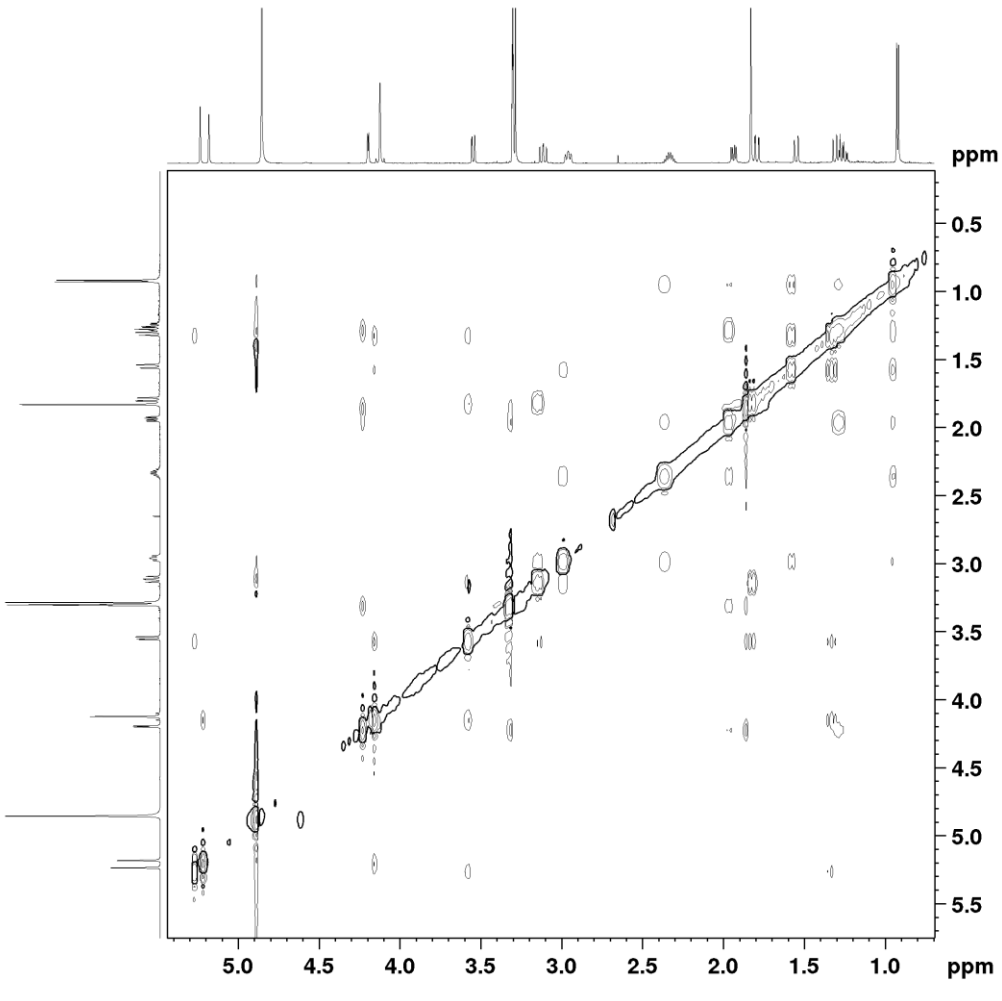

```
Current Data Parameters
NAME          RDP-87!   :
EXPNO                 5
PROCNO                1

F2 - Acquisition Parameters
Date_          20200820
Time               7.22 h
INSTRUM           spect
PROBHD    Z150290_0006 (
PULPROG       hmbcgpndqf
TD                 4096
SOLVENT            MeOD
NS                    4
DS                   16
SWH             7211.539 Hz
FIDRES          3.521259 Hz
AQ              0.2839893 sec
RG                191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
CNST13         8.0000000
D0            0.00000300 sec
D1            1.50000000 sec
D6            0.06250000 sec
D16           0.00020000 sec
IN0           0.00001380 sec
TDav                  1
SFO1          600.2024008 MHz
NUC1                  1H
P1                10.00 usec
P2                20.00 usec
PLW1         17.23500061 W
SFO2         150.9355021 MHz
NUC2                 13C
P3                10.00 usec
PLW2         31.21899986 W
GPNAM[1]      SMSQ10.100
GPZ1              50.00 %
GPNAM[2]      SMSQ10.100
GPZ2              30.00 %
GPNAM[3]      SMSQ10.100
GPZ3              40.10 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                  128
SFO1          150.9355 MHz
FIDRES        566.123169 Hz
SW              240.049 ppm
FnMODE               QF

F2 - Processing parameters
SI                 4096
SF           600.2000000 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
PC                1.40

F1 - Processing parameters
SI                 1024
MC2                  QF
SF           150.9204100 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S197 HMBC spectrum (600 MHz, $CDCl_3$) of compound **36**




```
Current Data Parameters
NAME          RDP-87!  !
EXPNO                6
PROCNO               1

F2 - Acquisition Parameters
Date_          20200820
Time               7.39 h
INSTRUM           spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                 2048
SOLVENT            MeOD
NS                    2
DS                   16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                191.24
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0             0.00000300 sec
D1             2.00000000 sec
D13            0.00000400 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                  1
SFO1          600.2024008 MHz
NUC1                 1H
P1                10.00 usec
PLW1          17.23500061 W
GPNAM[1]       SMSQ10.100
GPZ1              16.00 %
GPNAM[2]       SMSQ10.100
GPZ2              12.00 %
GPNAM[3]       SMSQ10.100
GPZ3              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                  128
SFO1          600.2024 MHz
FIDRES        112.572044 Hz
SW              12.004 ppm
FnMODE               QF

F2 - Processing parameters
SI                  1024
SF          600.2000000 MHz
WDW                 SINE
SSB       0
LB        0 Hz
GB        0
PC                  1.40

F1 - Processing parameters
SI                  1024
MC2                  QF
SF          600.2000000 MHz
WDW                 SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S198 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **36**




```
Current Data Parameters
NAME          RDP-87!  !
EXPNO                7
PROCNO               1

F2 - Acquisition Parameters
Date_          20200820
Time               7.50 h
INSTRUM           spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                2048
SOLVENT            MeOD
NS                   2
DS                  16
SWH           7211.539 Hz
FIDRES        7.042518 Hz
AQ            0.1419947 sec
RG                60.93
DW               69.333 usec
DE               10.00 usec
TE               298.0 K
D0           0.00005667 sec
D1           2.00000000 sec
D8           0.80000001 sec
D11          0.03000000 sec
D12          0.00002000 sec
D16          0.00020000 sec
IN0          0.00013880 sec
TDav                 1
SFO1        600.2024008 MHz
NUC1                1H
P1                10.00 usec
P2                20.00 usec
P17             2500.00 usec
PLW1         17.23500061 W
PLW10         2.75760007 W
GPNAM[1]      SMSQ10.100
GPZ1             40.00 %
P16            1000.00 usec

F1 - Acquisition parameters
TD                 256
SFO1          600.2024 MHz
FIDRES       56.286022 Hz
SW              12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                 1024
SF          600.2000000 MHz
WDW                QSINE
SSB                   2
LB        0 Hz
GB        0
PC                 1.00

F1 - Processing parameters
SI                 1024
MC2          States-TPPI
SF          600.2000000 MHz
WDW                QSINE
SSB                   2
LB        0 Hz
GB        0
```

Figure S199 NOESY spectrum (600 MHz, $CDCl_3$) of compound **36**

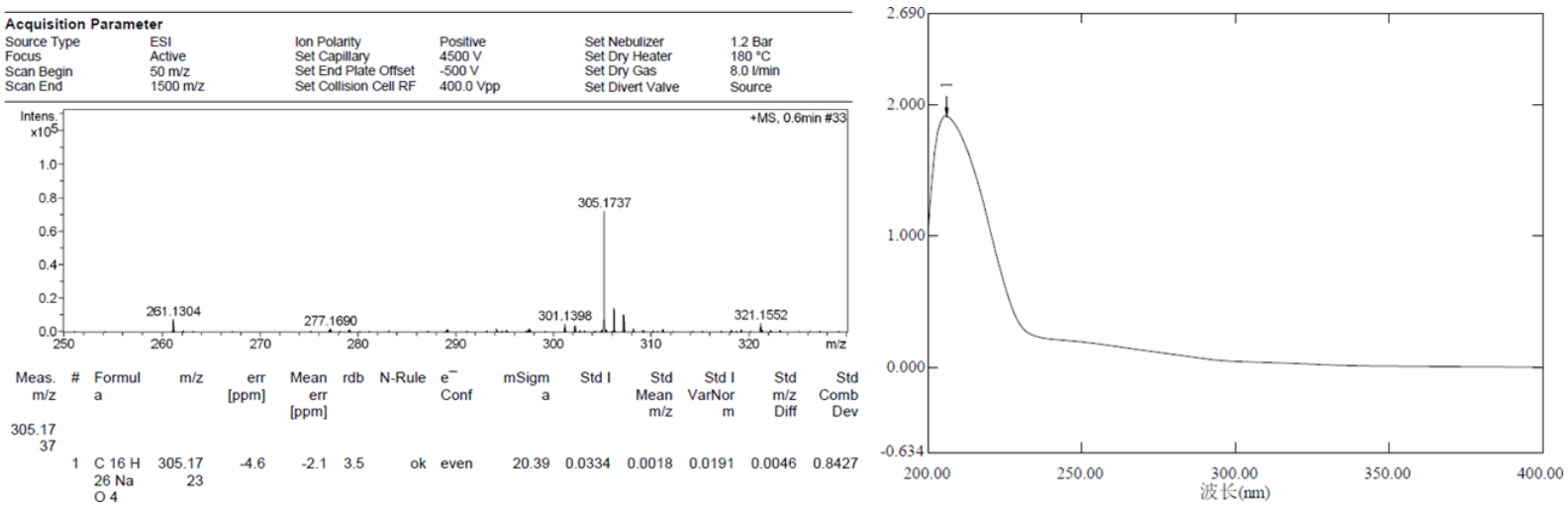


Figure S200 HRESIMS and UV spectra of compound **37**

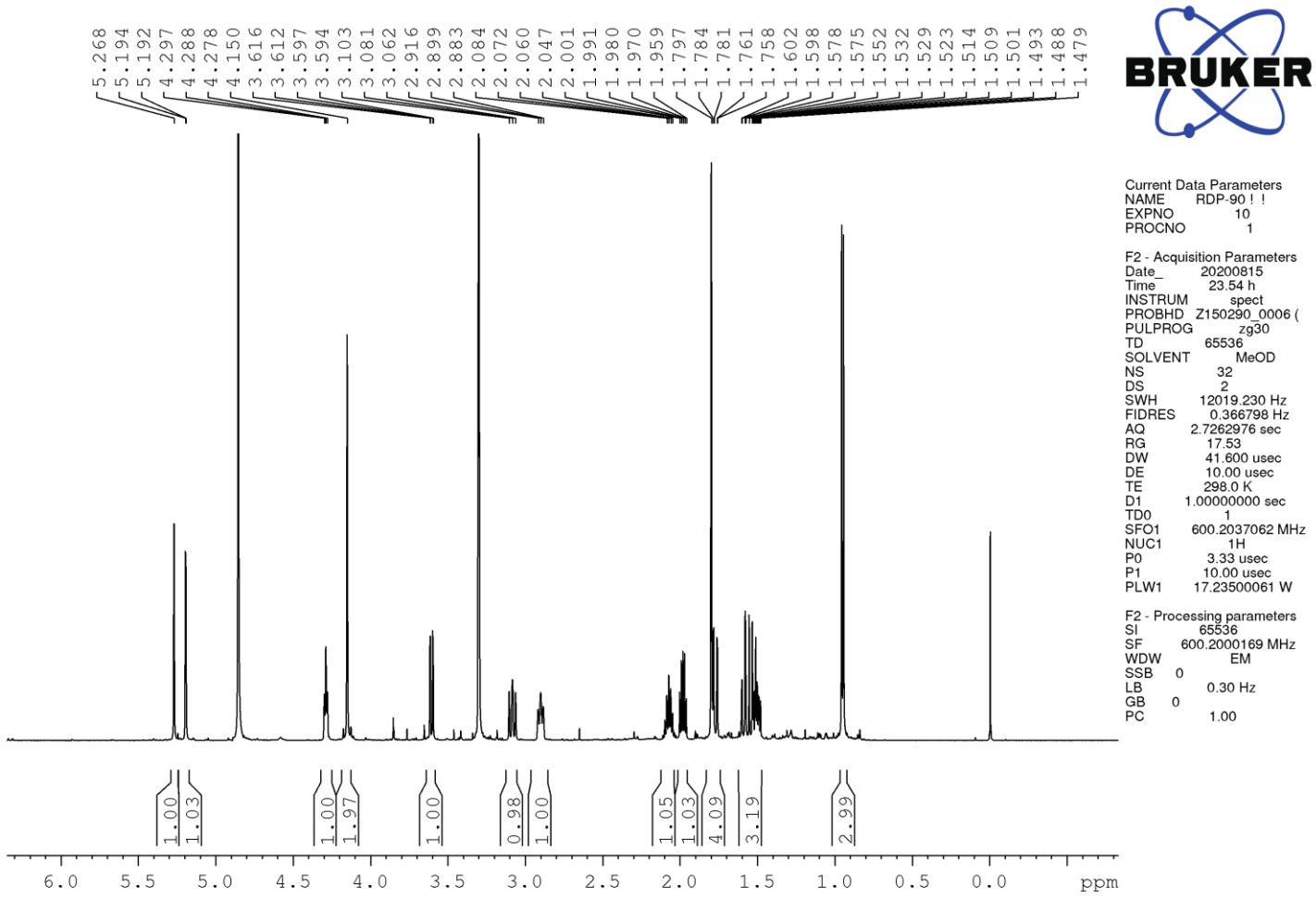


Figure S201 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **37**

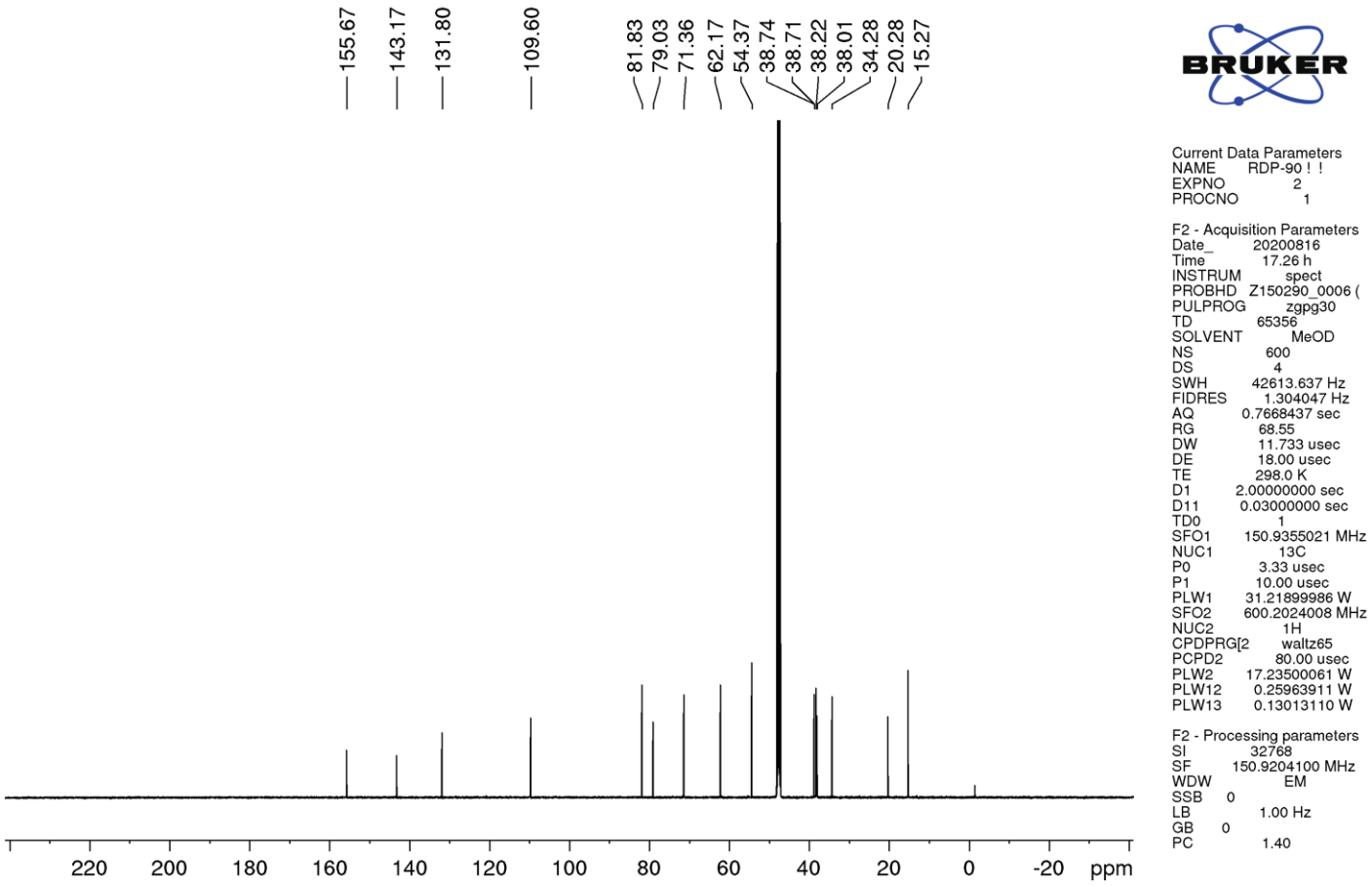
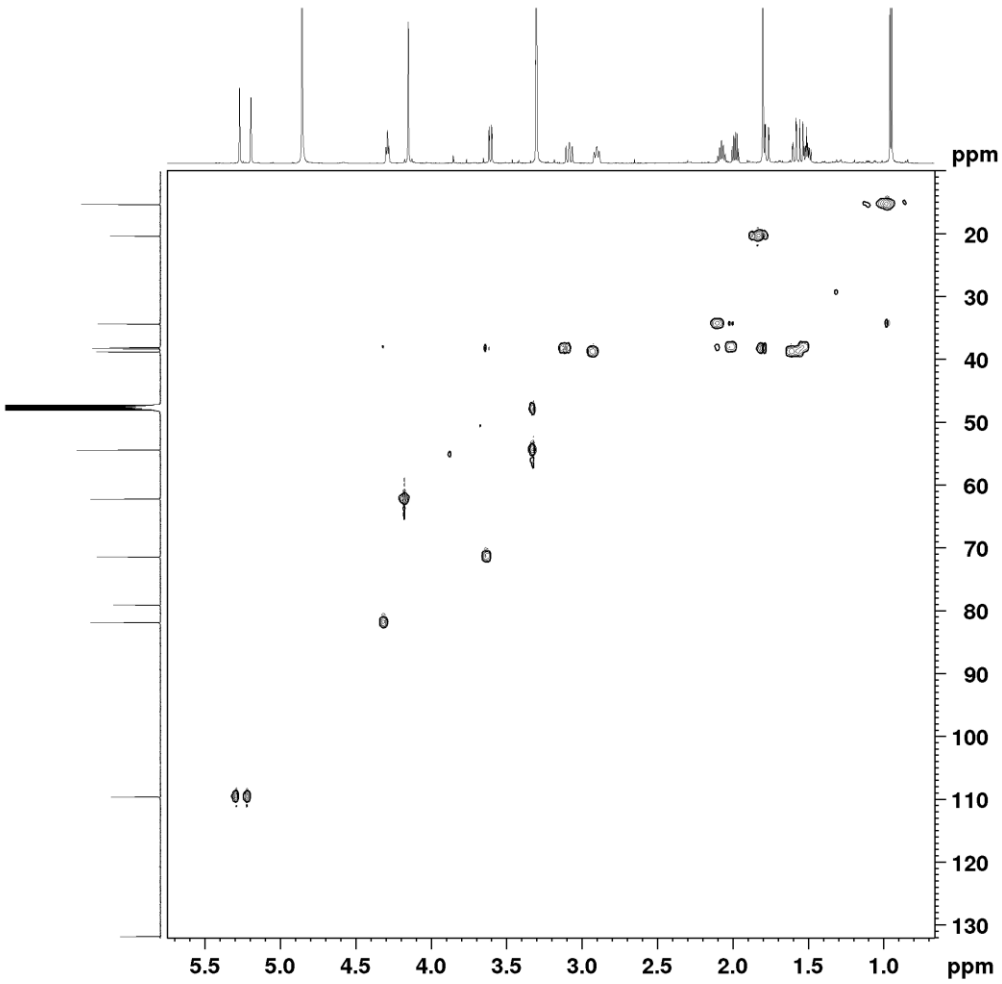


Figure S202 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **37**



Current Data Parameters
NAME RDP-90 1 f
EXPNO 4
PROCNO 1

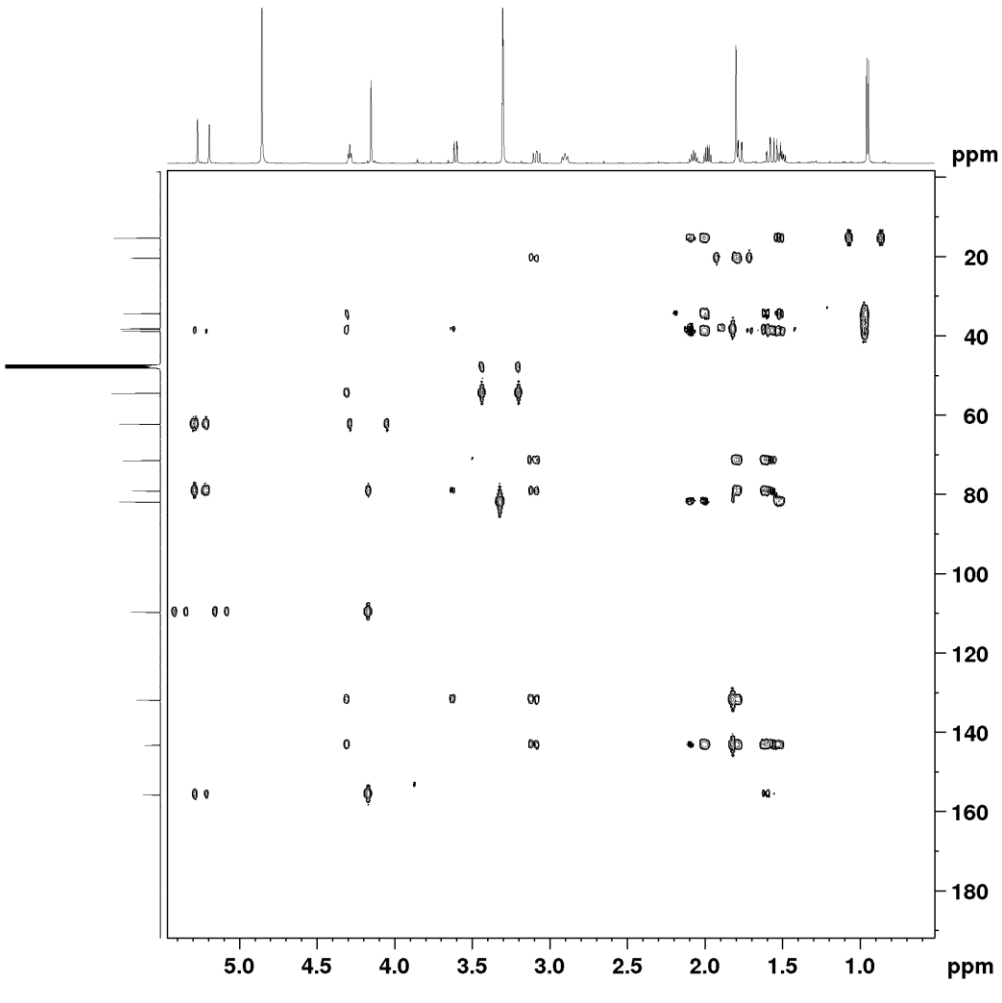
F2 - Acquisition Parameters
Date_ 20200820
Time 8.20 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG hsqcetgpsisp2.2
TD 2048
SOLVENT MeOD
NS 2
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
CNST2 145.00000000
CNST17 -0.50000000
D0 0.00000300 sec
D1 1.50000000 sec
D4 0.00172414 sec
D11 0.03000000 sec
D16 0.00020000 sec
D24 0.00086200 sec
IN0 0.00001380 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
P2 20.00 usec
P28 0 usec
PLW1 17.23500061 W
SFO2 150.9355021 MHz
NUC2 13C
CPDPRG[2 garp4
P3 10.00 usec
P14 500.00 usec
P24 2000.00 usec
PCPD2 55.00 usec
PLW0 0 W
PLW2 31.21899986 W
PLW12 1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3 0.500
SPOFFS3 0 Hz
SPW3 4.76999998 W
SPNAM[7] Crp60comp.4
SPOAL7 0.500
SPOFFS7 0 Hz
SPW7 4.76999998 W
GPNAM[1] SMSQ10.100
GPZ1 80.00 %
GPNAM[2] SMSQ10.100
GPZ2 20.10 %
GPNAM[3] SMSQ10.100
GPZ3 11.00 %
GPNAM[4] SMSQ10.100
GPZ4 -5.00 %
P16 1000.00 usec
P19 600.00 usec

F1 - Acquisition parameters
TD 256
SFO1 150.9355 MHz
FIDRES 283.061584 Hz
SW 240.049 ppm
FnMODE Echo-Antiecho

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.40

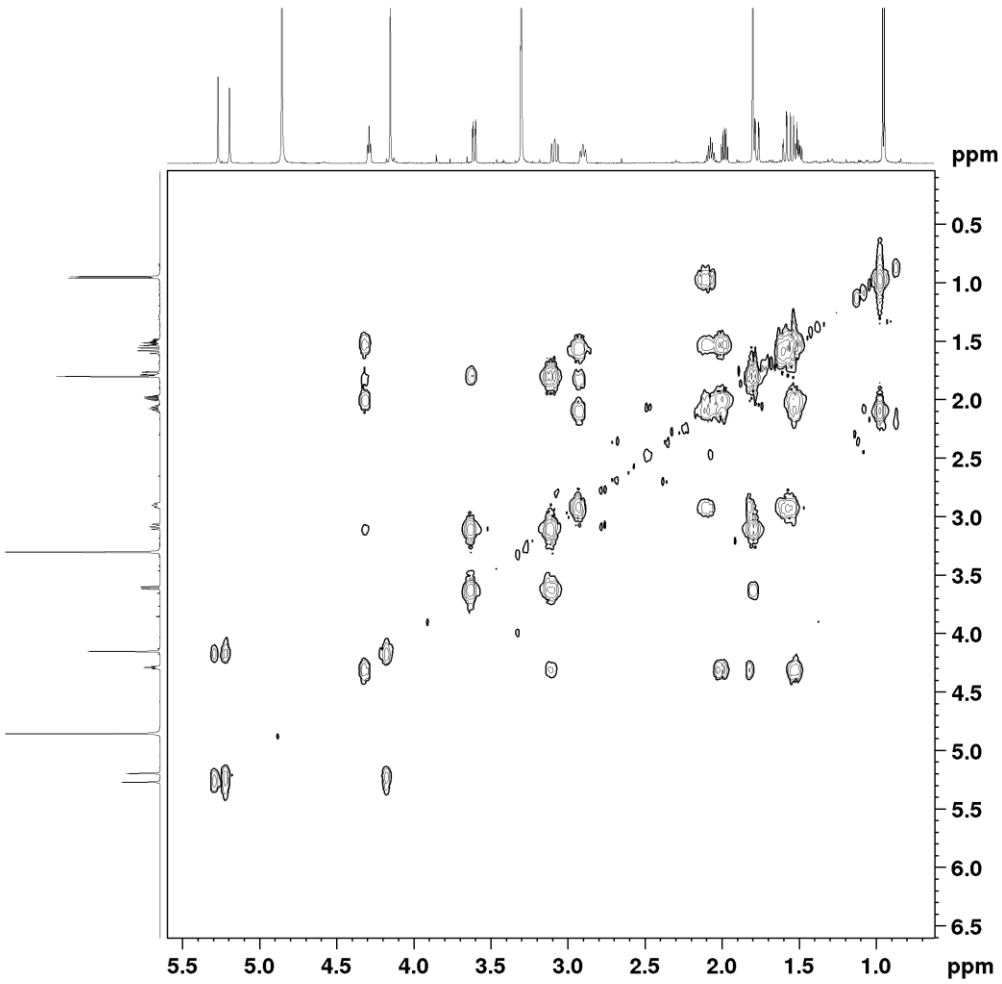
F1 - Processing parameters
SI 1024
MC2 echo-antiecho
SF 150.9204100 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S203 HSQC spectrum (600 MHz, $CDCl_3$) of compound **37**



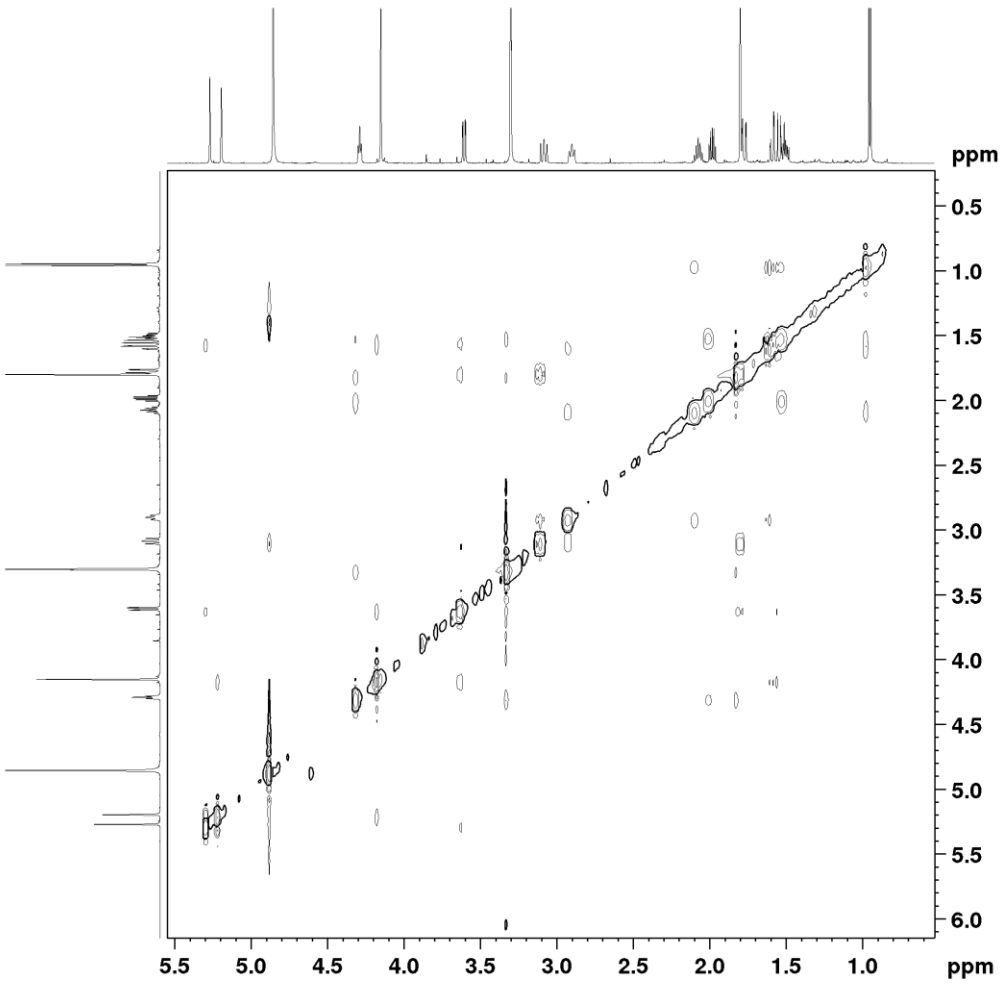

```
Current Data Parameters
NAME          RDP-90 !  !
EXPNO                5
PROCNO               1

F2 - Acquisition Parameters
Date_         20200820
Time              8.36 h
INSTRUM           spect
PROBHD   Z150290_0006 (
PULPROG     hmbcgpndqf
TD                4096
SOLVENT           MeOD
NS                   4
DS                  16
SWH          7211.539 Hz
FIDRES       3.521259 Hz
AQ           0.2839893 sec
RG              191.24
DW              69.333 usec
DE              10.00 usec
TE              298.0 K
CNST13       8.0000000
D0          0.00000300 sec
D1          1.50000000 sec
D6          0.06250000 sec
D16         0.00020000 sec
IN0         0.00001380 sec
TDav                 1
SFO1        600.2024008 MHz
NUC1                1H
P1                10.00 usec
P2                20.00 usec
PLW1        17.23500061 W
SFO2        150.9355021 MHz
NUC2                13C
P3                10.00 usec
PLW2        31.21899986 W
GPNAM[1]     SMSQ10.100
GPZ1              50.00 %
GPNAM[2]     SMSQ10.100
GPZ2              30.00 %
GPNAM[3]     SMSQ10.100
GPZ3              40.10 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                 128
SFO1          150.9355 MHz
FIDRES       566.123169 Hz
SW              240.049 ppm
FnMODE              QF

F2 - Processing parameters
SI                4096
SF          600.2000000 MHz
WDW               SINE
SSB       0
LB        0 Hz
GB        0
PC                1.40

F1 - Processing parameters
SI                1024
MC2                 QF
SF          150.9204100 MHz
WDW               SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S204 HMBC spectrum (600 MHz, $CDCl_3$) of compound **37**




```
Current Data Parameters
NAME         RDP-90 !  !
EXPNO                6
PROCNO               1

F2 - Acquisition Parameters
Date_          20200820
Time               8.53 h
INSTRUM           spect
PROBHD    Z150290_0006 (
PULPROG      cosygpmfqf
TD                2048
SOLVENT           MeOD
NS                   2
DS                  16
SWH           7211.539 Hz
FIDRES        7.042518 Hz
AQ           0.1419947 sec
RG              191.24
DW              69.333 usec
DE              10.00 usec
TE              298.0 K
D0           0.00000300 sec
D1           2.00000000 sec
D13          0.00000400 sec
D16          0.00020000 sec
IN0          0.00013880 sec
TDav                 1
SFO1        600.2024008 MHz
NUC1                1H
P1                10.00 usec
PLW1       17.23500061 W
GPNAM[1]     SMSQ10.100
GPZ1              16.00 %
GPNAM[2]     SMSQ10.100
GPZ2              12.00 %
GPNAM[3]     SMSQ10.100
GPZ3              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                  128
SFO1          600.2024 MHz
FIDRES      112.572044 Hz
SW             12.004 ppm
FnMODE              QF

F2 - Processing parameters
SI                 1024
SF          600.2000000 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
PC                 1.40

F1 - Processing parameters
SI                 1024
MC2                 QF
SF          600.2000000 MHz
WDW                SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S205 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **37**




```
Current Data Parameters
NAME         RDP-90 !  !
EXPNO                7
PROCNO               1

F2 - Acquisition Parameters
Date_          20200820
Time               9.03 h
INSTRUM           spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                2048
SOLVENT           MeOD
NS                   2
DS                  16
SWH           7211.539 Hz
FIDRES        7.042518 Hz
AQ            0.1419947 sec
RG                60.93
DW               69.333 usec
DE               10.00 usec
TE                298.0 K
D0           0.00005667 sec
D1           2.00000000 sec
D8           0.80000001 sec
D11          0.03000000 sec
D12          0.00002000 sec
D16          0.00020000 sec
IN0          0.00013880 sec
TDav                 1
SFO1        600.2024008 MHz
NUC1                1H
P1               10.00 usec
P2               20.00 usec
P17            2500.00 usec
PLW1        17.23500061 W
PLW10        2.75760007 W
GPNAM[1]     SMSQ10.100
GPZ1              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                 256
SFO1          600.2024 MHz
FIDRES       56.286022 Hz
SW              12.004 ppm
FnMODE      States-TPPI

F2 - Processing parameters
SI                1024
SF          600.2000000 MHz
WDW               QSINE
SSB                  2
LB        0 Hz
GB        0
PC                1.00

F1 - Processing parameters
SI                1024
MC2         States-TPPI
SF          600.2000000 MHz
WDW               QSINE
SSB                  2
LB        0 Hz
GB        0
```

Figure S206 NOESY spectrum (600 MHz, $CDCl_3$) of compound **37**

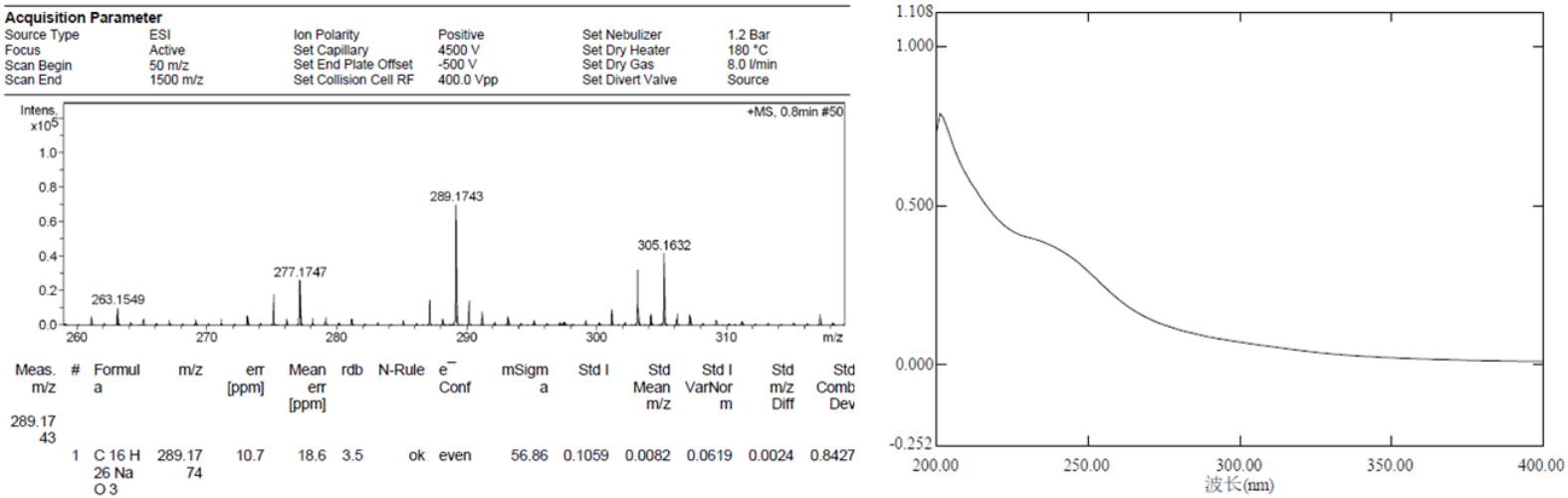


Figure S207 HRESIMS and UV spectra of compound **38**

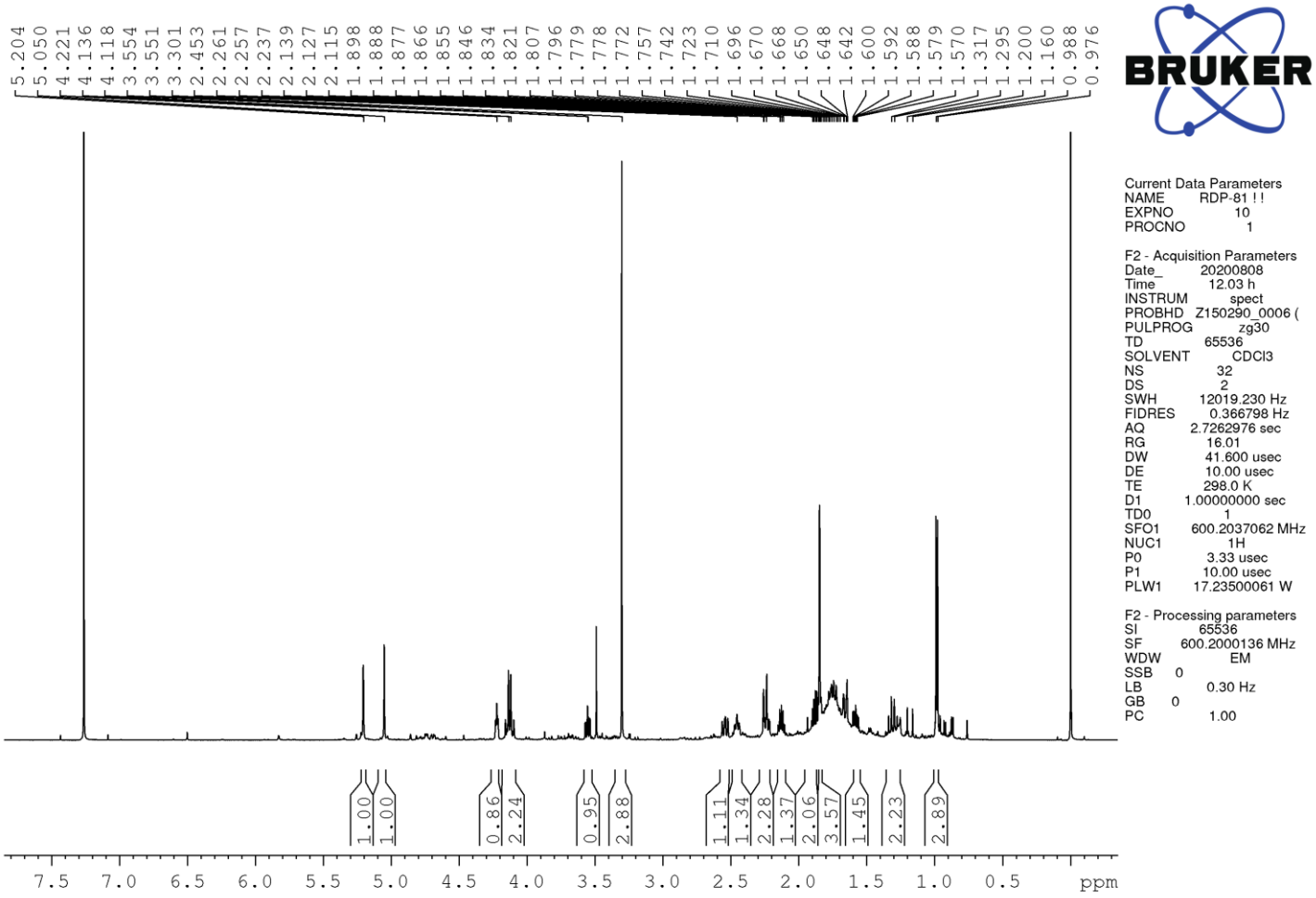


Figure S208 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **38**

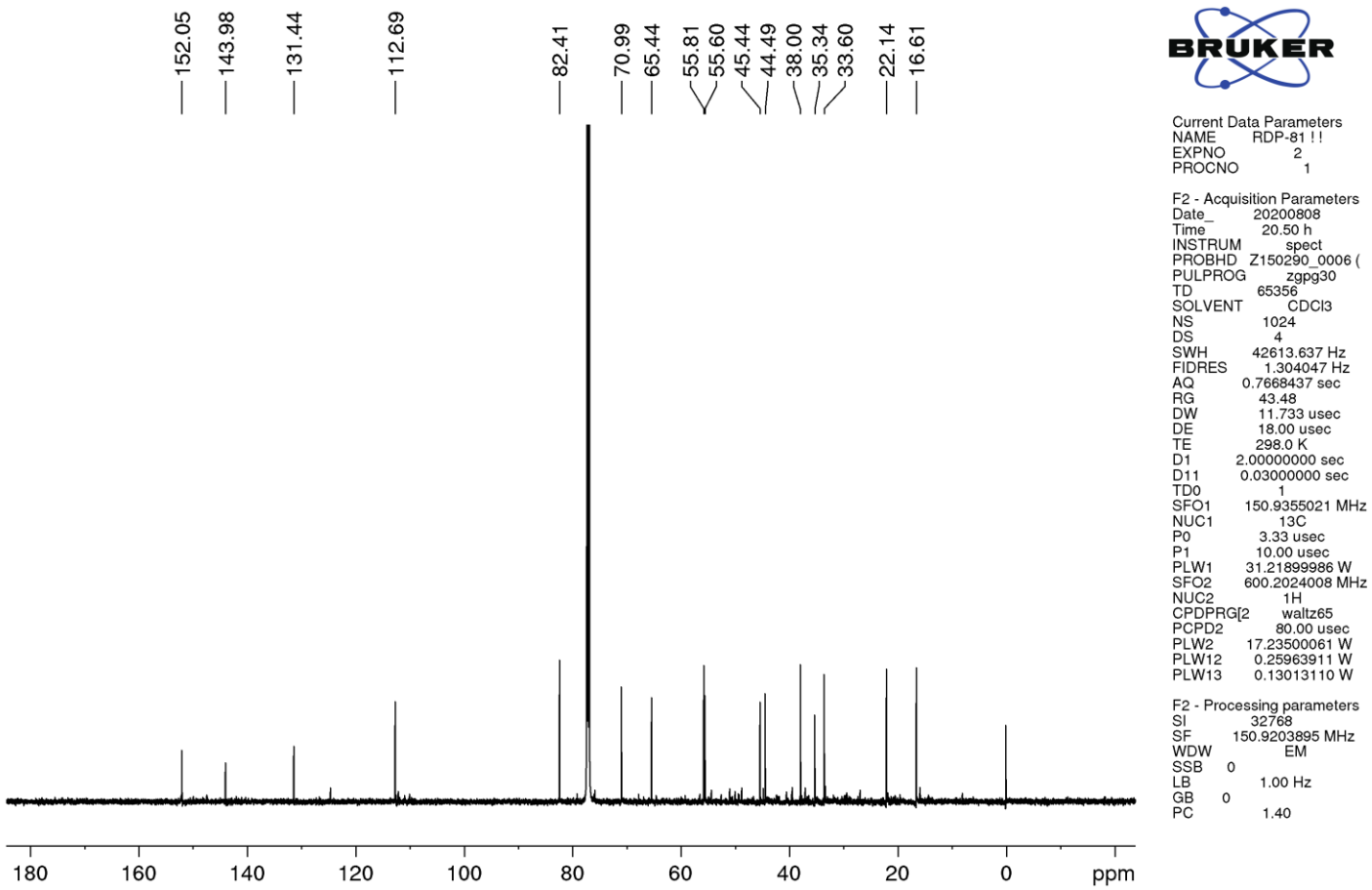
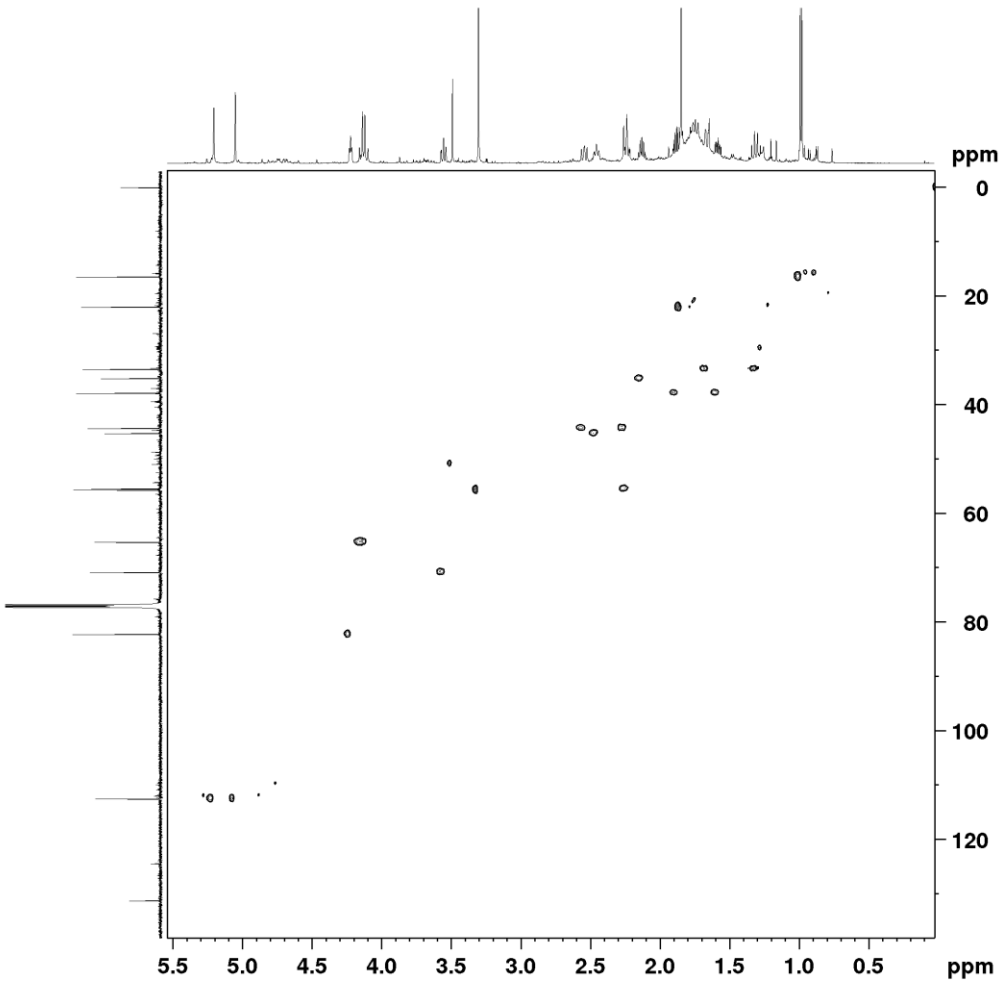


Figure S209 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **38**




```
Current Data Parameters
NAME          RDP-81 f 1
EXPNO                 4
PROCNO                1

F2 - Acquisition Parameters
Date_          20200815
Time               9.22 h
INSTRUM            spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                 2048
SOLVENT            CDCl3
NS                    2
DS                   16
SWH           7211.539 Hz
FIDRES           7.042519 Hz
AQ            0.1419947 sec
RG                191.24
DW               69.333 usec
DE               10.00 usec
TE                298.0 K
CNST2       145.00000000
CNST17       -0.5000000
D0            0.00000300 sec
D1            1.50000000 sec
D4            0.00172414 sec
D11           0.03000000 sec
D16           0.00020000 sec
D24           0.00086200 sec
IN0           0.00001510 sec
TDav                  1
SFO1        600.2024008 MHz
NUC1                1H
P1                10.00 usec
P2                20.00 usec
P28       0 usec
PLW1        17.23500061 W
SFO2       150.9339929 MHz
NUC2                13C
CPDPRG[2            garp4
P3                10.00 usec
P14              500.00 usec
P24             2000.00 usec
PCPD2             55.00 usec
PLW0      0 W
PLW2        31.21899986 W
PLW12        1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3              0.500
SPOFFS3   0 Hz
SPW3          4.76999998 W
SPNAM[7]    Crp60comp.4
SPOAL7              0.500
SPOFFS7   0 Hz
SPW7          4.76999998 W
GPNAM[1]      SMSQ10.100
GPZ1                80.00 %
GPNAM[2]      SMSQ10.100
GPZ2                20.10 %
GPNAM[3]      SMSQ10.100
GPZ3                11.00 %
GPNAM[4]      SMSQ10.100
GPZ4                -5.00 %
P16               1000.00 usec
P19                600.00 usec

F1 - Acquisition parameters
TD                    256
SFO1           150.934 MHz
FIDRES        258.692047 Hz
SW             219.385 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                   1024
SF           600.2000000 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
PC                   1.40

F1 - Processing parameters
SI                   1024
MC2         echo-antiecho
SF           150.9204100 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
```

Figure S210 HSQC spectrum (600 MHz, $CDCl_3$) of compound **38**

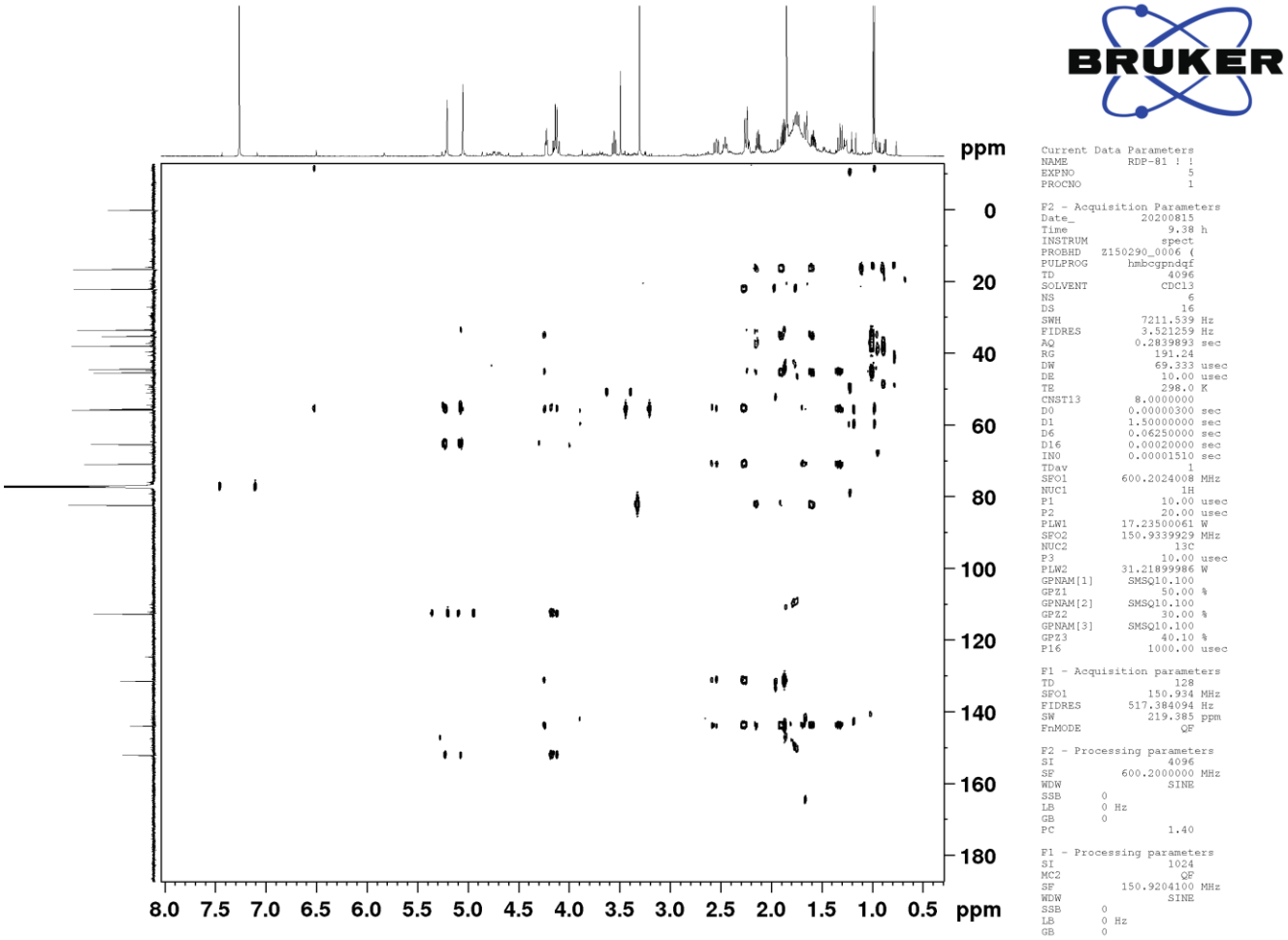
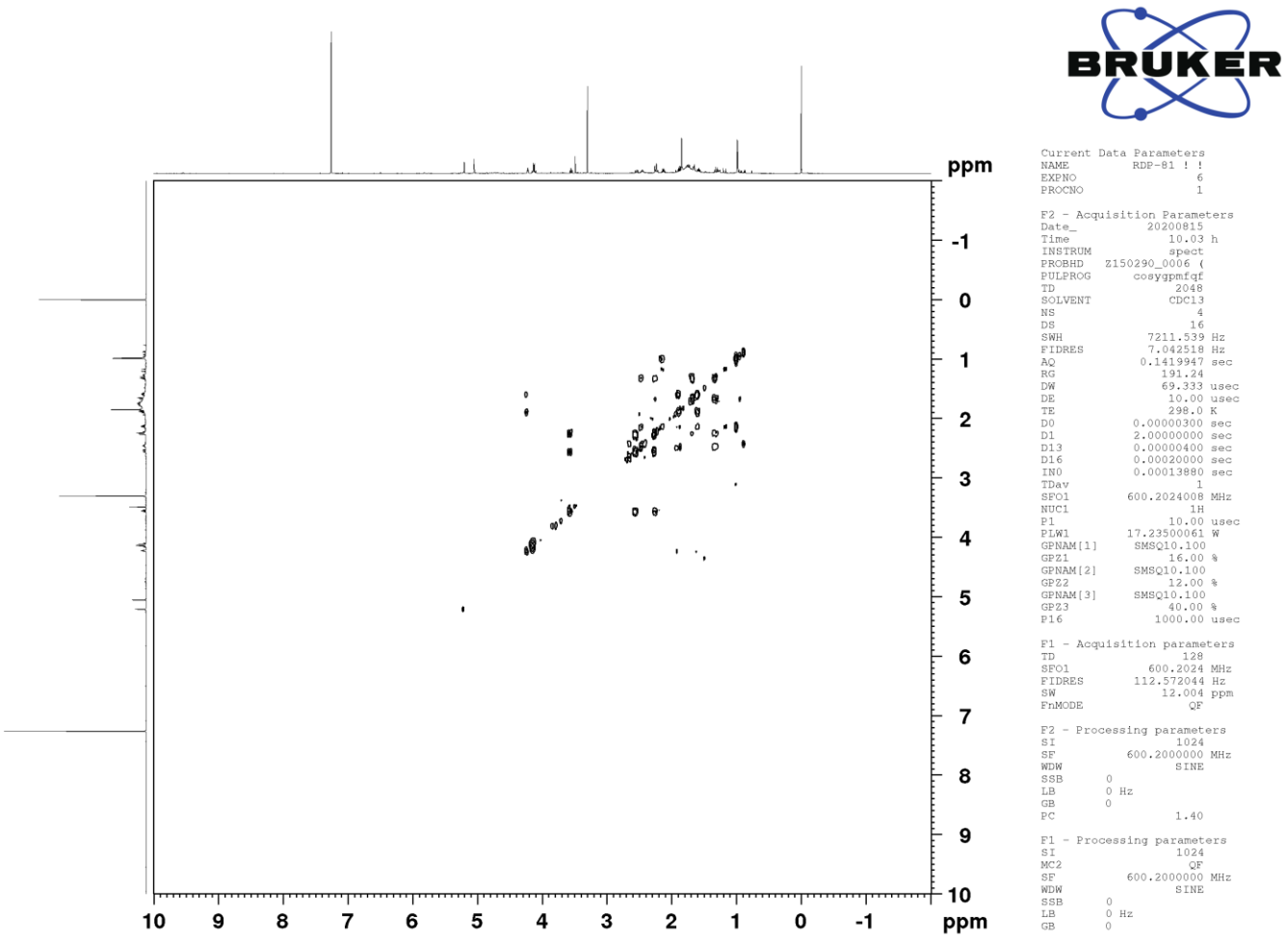


Figure S211 HMBC spectrum (600 MHz, $CDCl_3$) of compound **38**



Current Data Parameters
NAME RDP-81 ! !
EXPNO 6
PROCNO 1

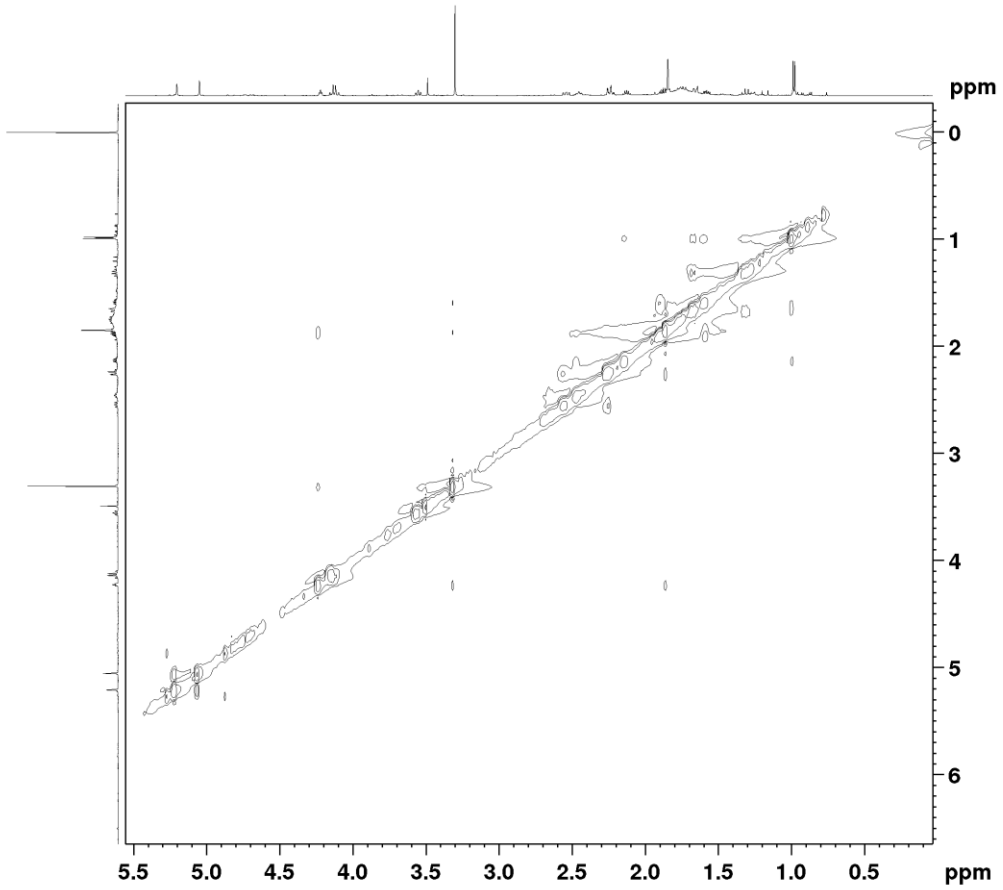
F2 - Acquisition Parameters
Date_ 20200815
Time 10.03 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 4
DS 16
SWH 7211.539 Hz
FIDRES 7.042518 Hz
AQ 0.1419947 sec
RG 191.24
DW 69.333 usec
DE 10.00 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00013880 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
PLW1 17.23500061 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 112.572044 Hz
SW 12.004 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S212 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **38**




```
Current Data Parameters
NAME          RDP-81 ! !
EXPNO                7
PROCNO               1

F2 - Acquisition Parameters
Date_          20200815
Time              10.23 h
INSTRUM           spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                2048
SOLVENT           CDCl3
NS                   4
DS                  16
SWH            7211.539 Hz
FIDRES         7.042518 Hz
AQ             0.1419947 sec
RG                60.93
DW                69.333 usec
DE                10.00 usec
TE                298.0 K
D0             0.00005667 sec
D1             2.00000000 sec
D8             0.80000001 sec
D11            0.03000000 sec
D12            0.00002000 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                 1
SFO1         600.2024008 MHz
NUC1                1H
P1                10.00 usec
P2                20.00 usec
P17             2500.00 usec
PLW1         17.23500061 W
PLW10         2.75760007 W
GPNAM[1]      SMSQ10.100
GP21             40.00 %
P16            1000.00 usec

F1 - Acquisition parameters
TD                  256
SFO1          600.2024 MHz
FIDRES         56.286022 Hz
SW                12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                 1024
SF           600.2000000 MHz
WDW                QSINE
SSB                   2
LB        0 Hz
GB        0
PC                 1.00

F1 - Processing parameters
SI                 1024
MC2          States-TPPI
SF           600.2000000 MHz
WDW                QSINE
SSB                   2
LB        0 Hz
GB        0
```

Figure S213 NOESY spectrum (600 MHz, $CDCl_3$) of compound **38**

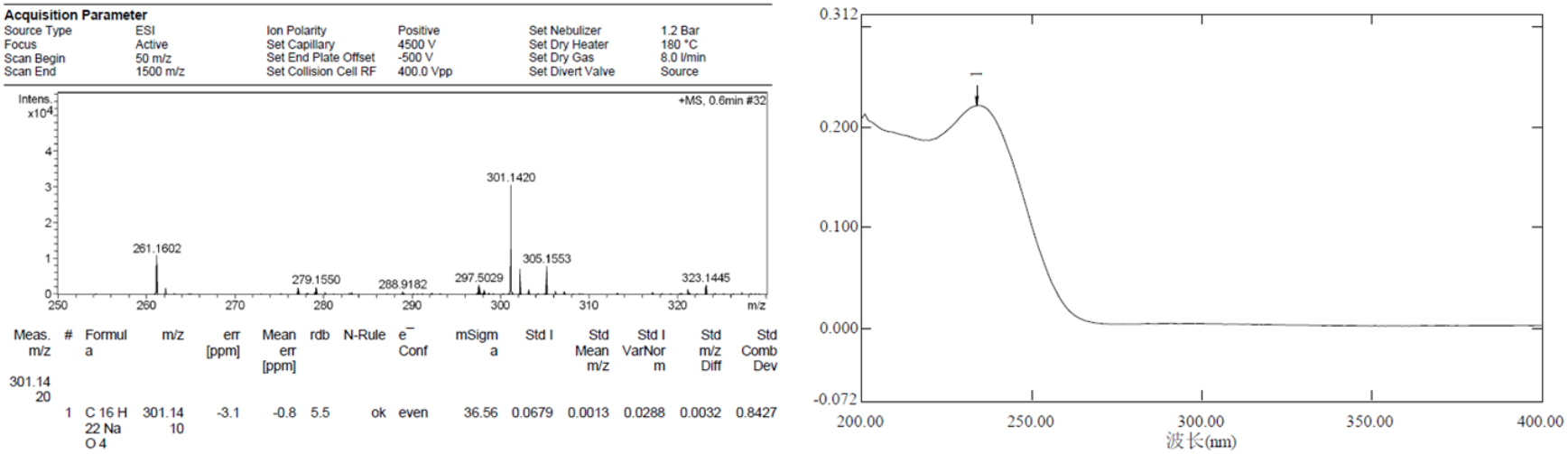


Figure S214 HRESIMS and UV spectra of compound **39**

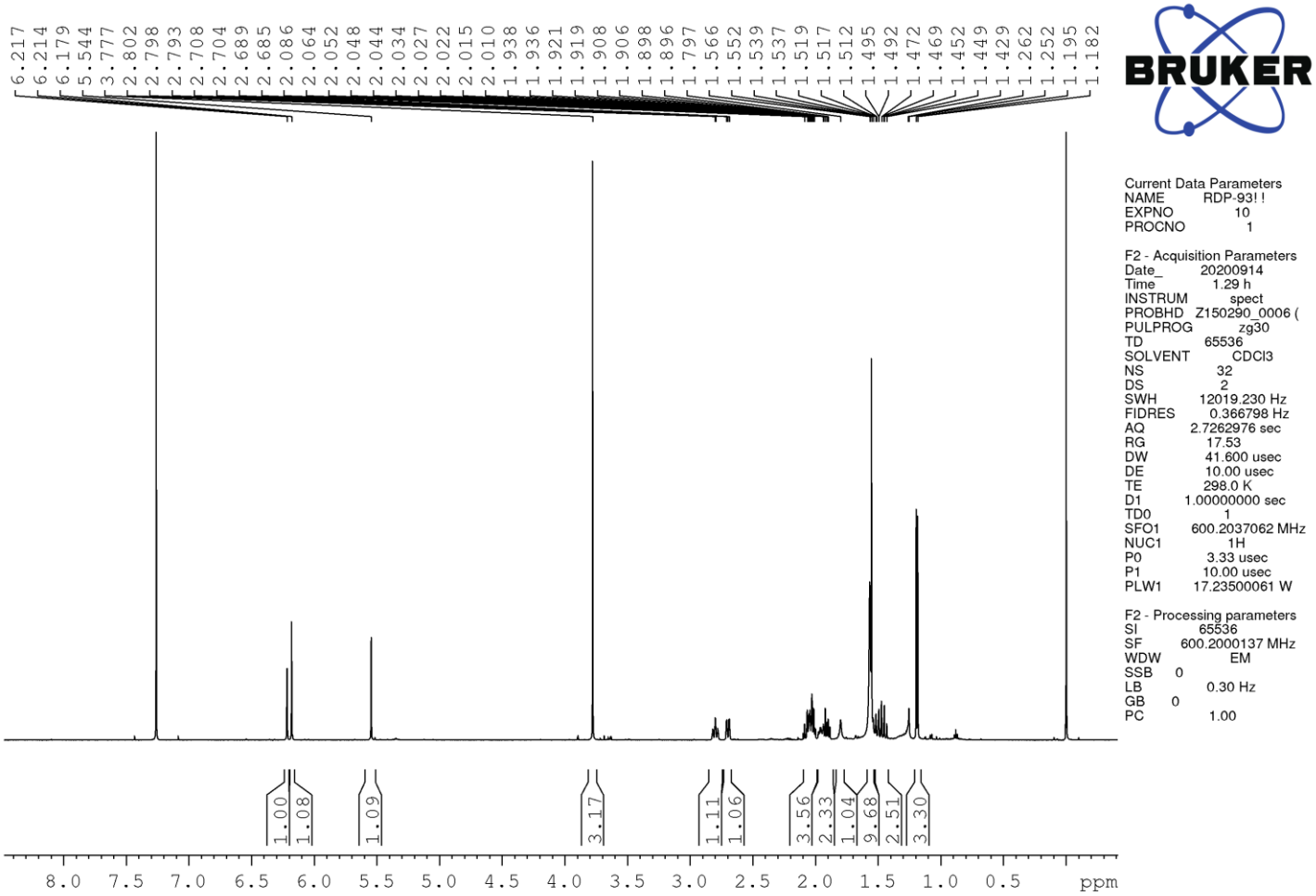


Figure S215 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **39**

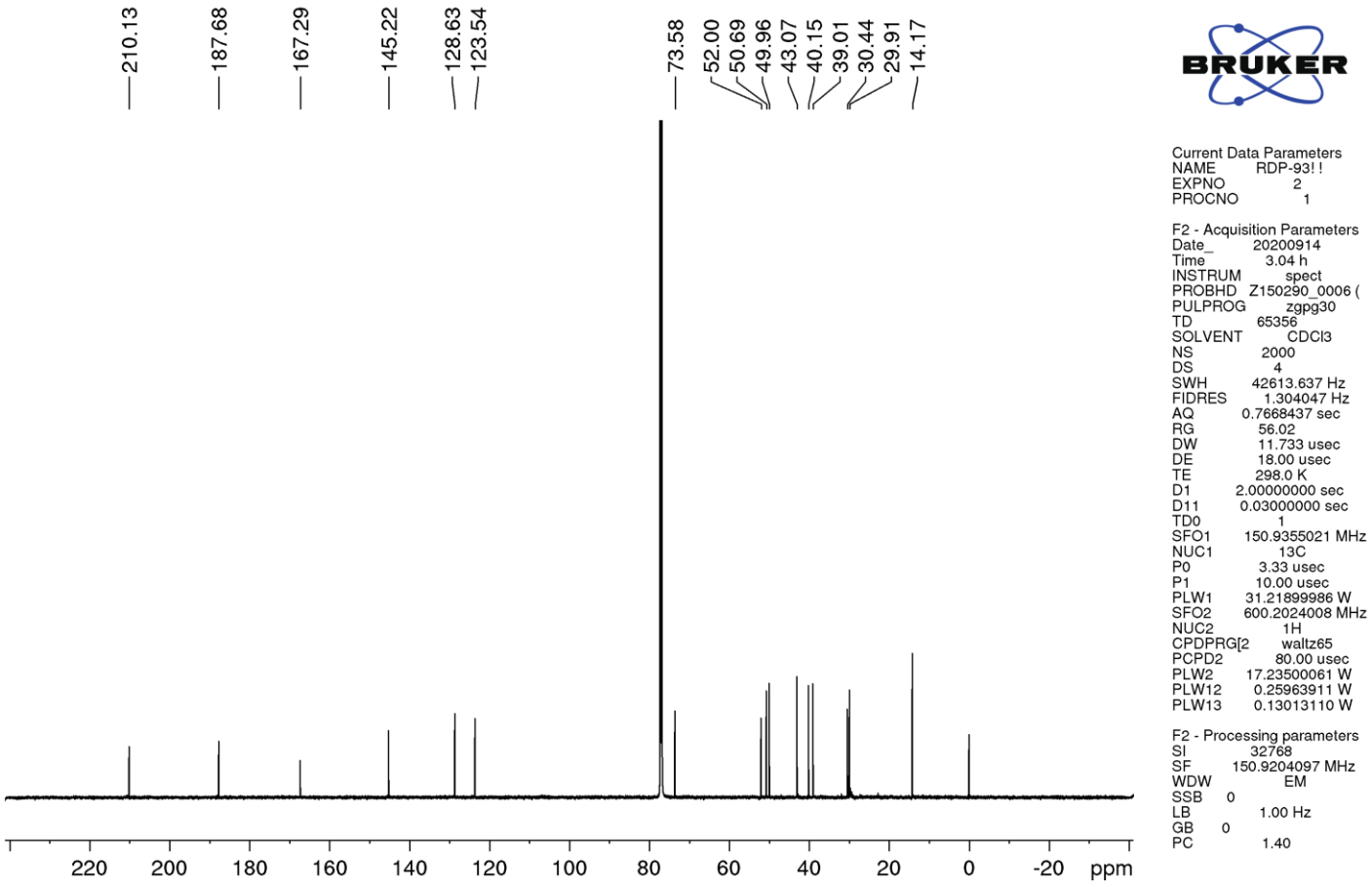
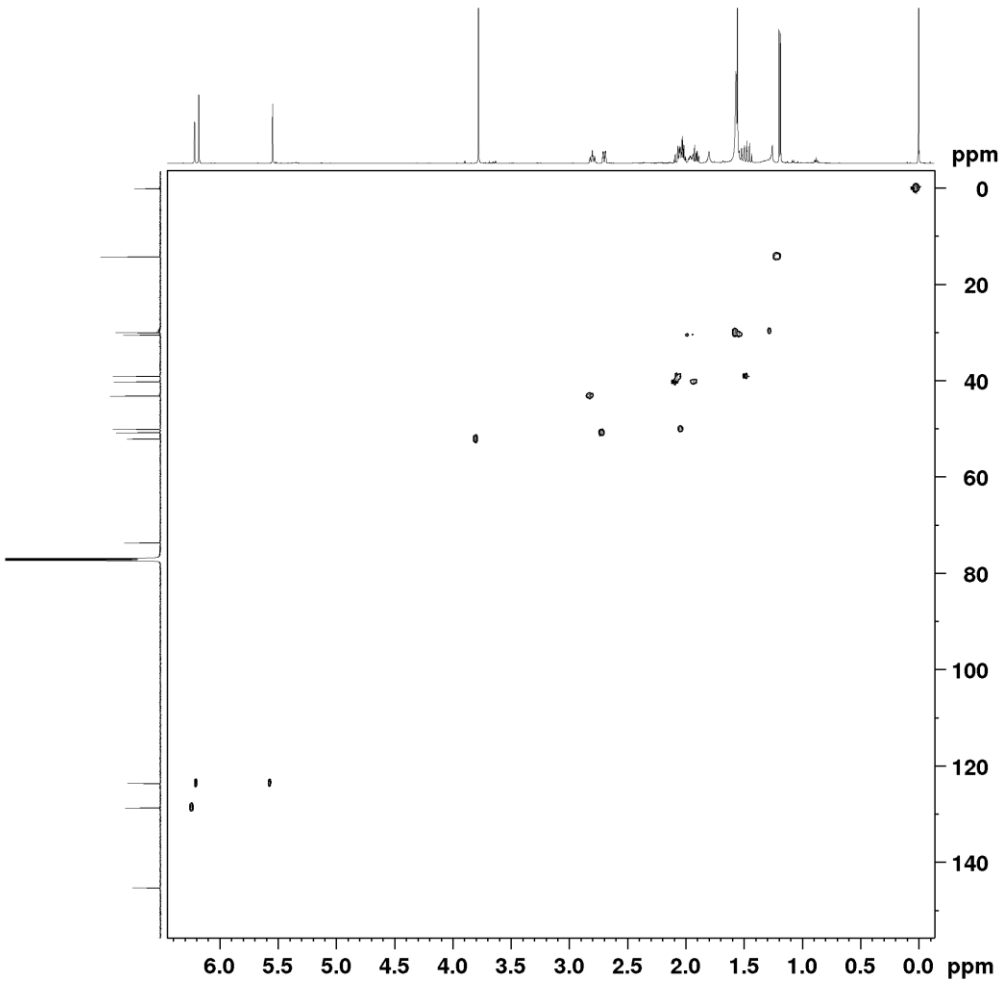
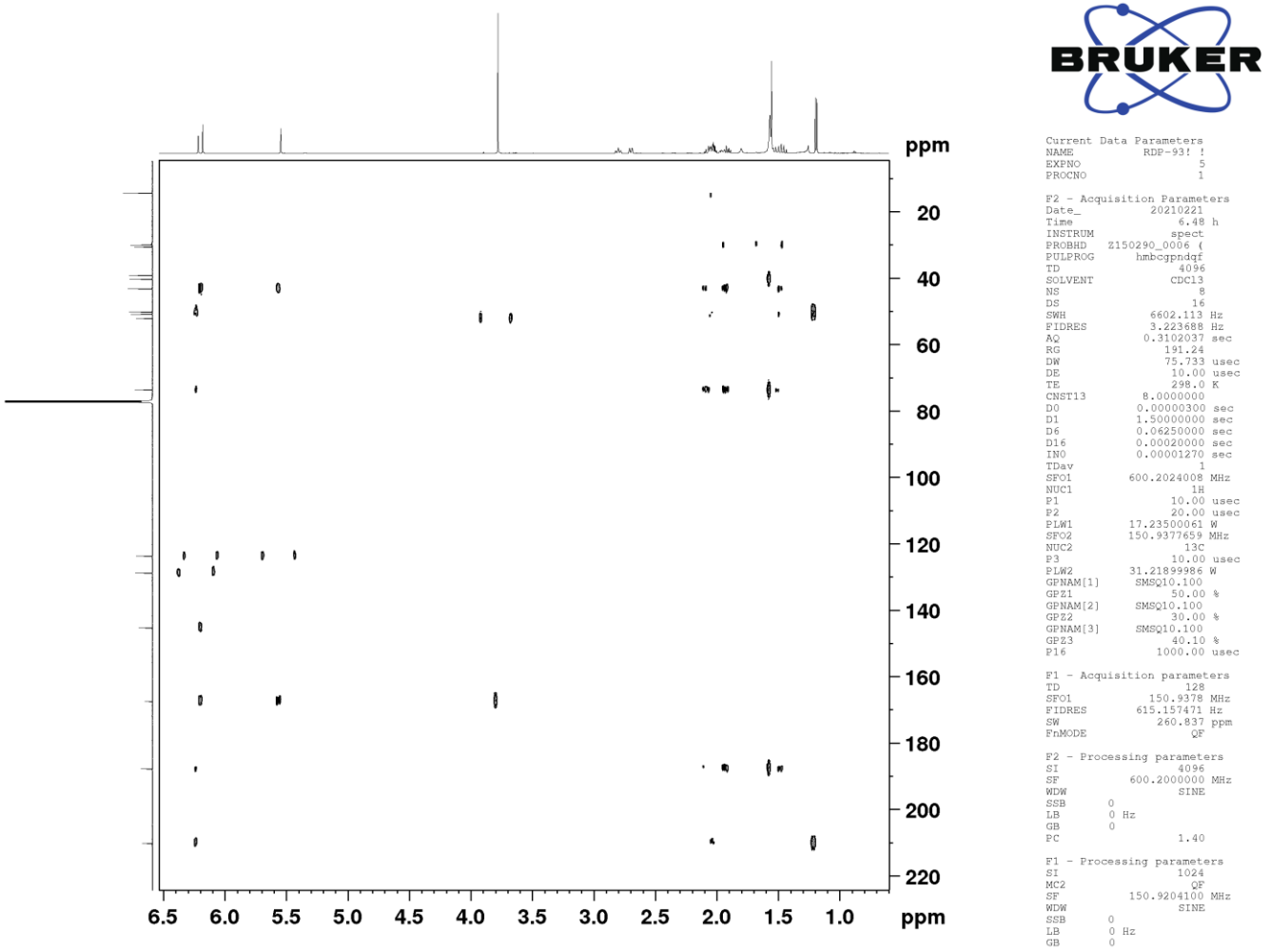


Figure S216 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **39**



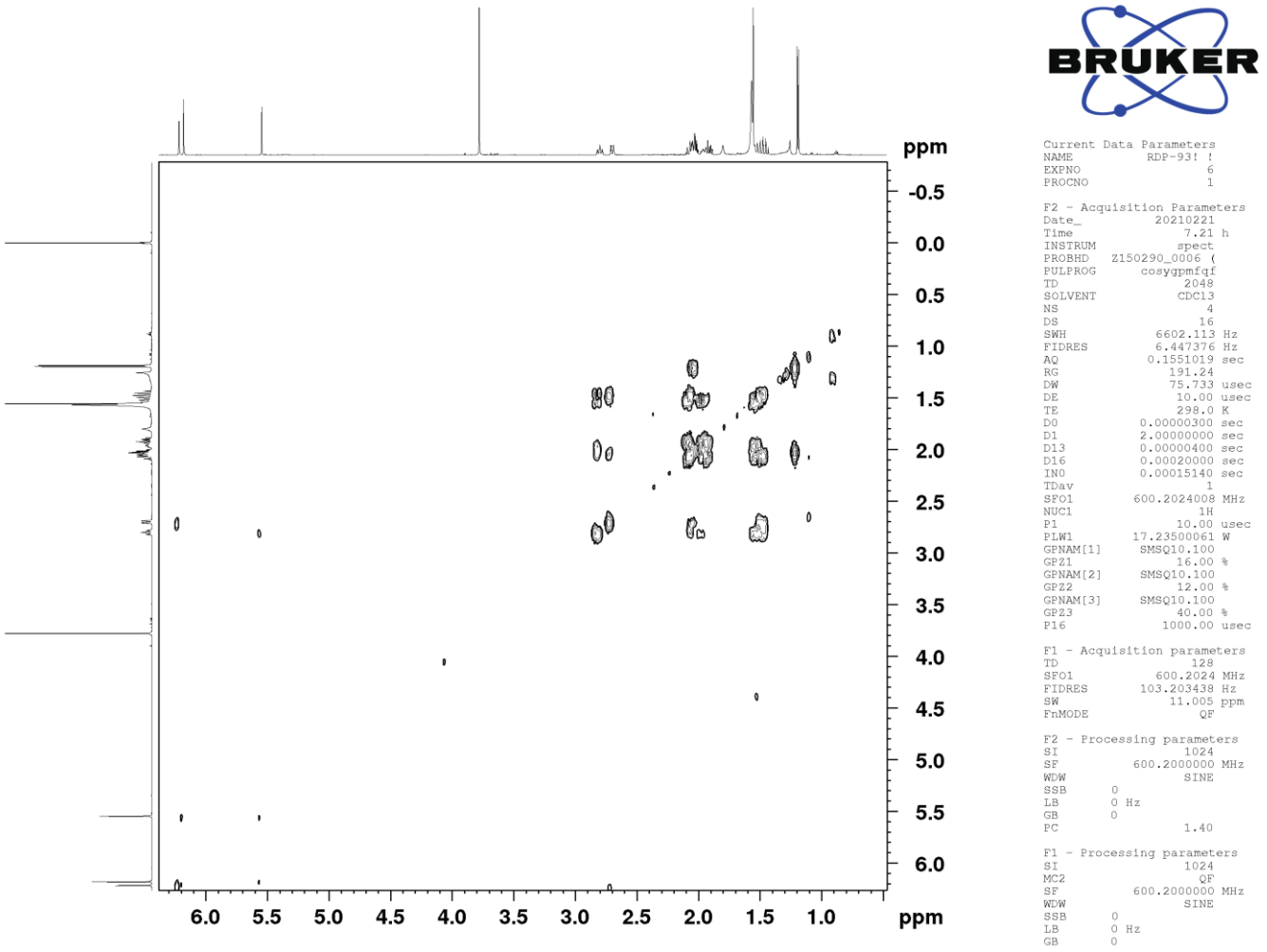

```
Current Data Parameters
NAME              RDP-931 f
EXPNO                     4
PROCNO                    1

F2 - Acquisition Parameters
Date_           20210221
Time                6.33 h
INSTRUM              spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                     2048
SOLVENT             CDCl3
NS                        2
DS                       16
SWH               6602.113 Hz
FIDRES            6.447376 Hz
AQ                0.1551019 sec
RG                   191.24
DW                 75.733 usec
DE                  10.00 usec
TE                   298.0 K
CNST2          145.00000000
CNST17          -0.5000000
D0              0.00000300 sec
D1              1.50000000 sec
D4              0.00172414 sec
D11             0.03000000 sec
D16             0.00020000 sec
D24             0.00086200 sec
IN0             0.00001270 sec
TDav                      1
SFO1           600.2024008 MHz
NUC1                   1H
P1                   10.00 usec
P2                   20.00 usec
P28        0 usec
PLW1          17.23500061 W
SFO2          150.9377659 MHz
NUC2                   13C
CPDPRG[2             garp4
P3                   10.00 usec
P14                 500.00 usec
P24                2000.00 usec
PCPD2                55.00 usec
PLW0       0 W
PLW2          31.21899986 W
PLW12          1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3                0.500
SPOFFS3    0 Hz
SPW3           4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7                0.500
SPOFFS7    0 Hz
SPW7           4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                 80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                 20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                 11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                 -5.00 %
P16                1000.00 usec
P19                 600.00 usec

F1 - Acquisition parameters
TD                      256
SFO1            150.9378 MHz
FIDRES          307.578735 Hz
SW                260.837 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                     1024
SF            600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
PC                     1.40

F1 - Processing parameters
SI                     1024
MC2         echo-antiecho
SF            150.9204100 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
```

Figure S217 HSQC spectrum (600 MHz, $CDCl_3$) of compound **39**




```
Current Data Parameters
NAME                  RDP-93! !
EXPNO                        5
PROCNO                       1

F2 - Acquisition Parameters
Date_                 20210221
Time                      6.48 h
INSTRUM                  spect
PROBHD    Z150290_0006 (
PULPROG          hmbcgpndqf
TD                        4096
SOLVENT                 CDCl3
NS                           8
DS                          16
SWH                  6602.113 Hz
FIDRES               3.223688 Hz
AQ                   0.3102037 sec
RG                       191.24
DW                       75.733 usec
DE                       10.00 usec
TE                       298.0 K
CNST13               8.0000000
D0                   0.00000300 sec
D1                   1.50000000 sec
D6                   0.06250000 sec
D16                  0.00020000 sec
IN0                  0.00001270 sec
TDav                         1
SFO1               600.2024008 MHz
NUC1                        1H
P1                       10.00 usec
P2                       20.00 usec
PLW1               17.23500061 W
SFO2               150.9377659 MHz
NUC2                        13C
P3                       10.00 usec
PLW2               31.21899986 W
GPNAM[1]          SMSQ10.100
GPZ1                     50.00 %
GPNAM[2]          SMSQ10.100
GPZ2                     30.00 %
GPNAM[3]          SMSQ10.100
GPZ3                     40.10 %
P16                    1000.00 usec

F1 - Acquisition parameters
TD                         128
SFO1                150.9378 MHz
FIDRES              615.157471 Hz
SW                     260.837 ppm
FnMODE                      QF

F2 - Processing parameters
SI                        4096
SF                  600.2000000 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
PC                        1.40

F1 - Processing parameters
SI                        1024
MC2                         QF
SF                  150.9204100 MHz
WDW                       SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S218 HMBC spectrum (600 MHz, $CDCl_3$) of compound **39**



Current Data Parameters
NAME RDP-93! !
EXPNO 6
PROCNO 1

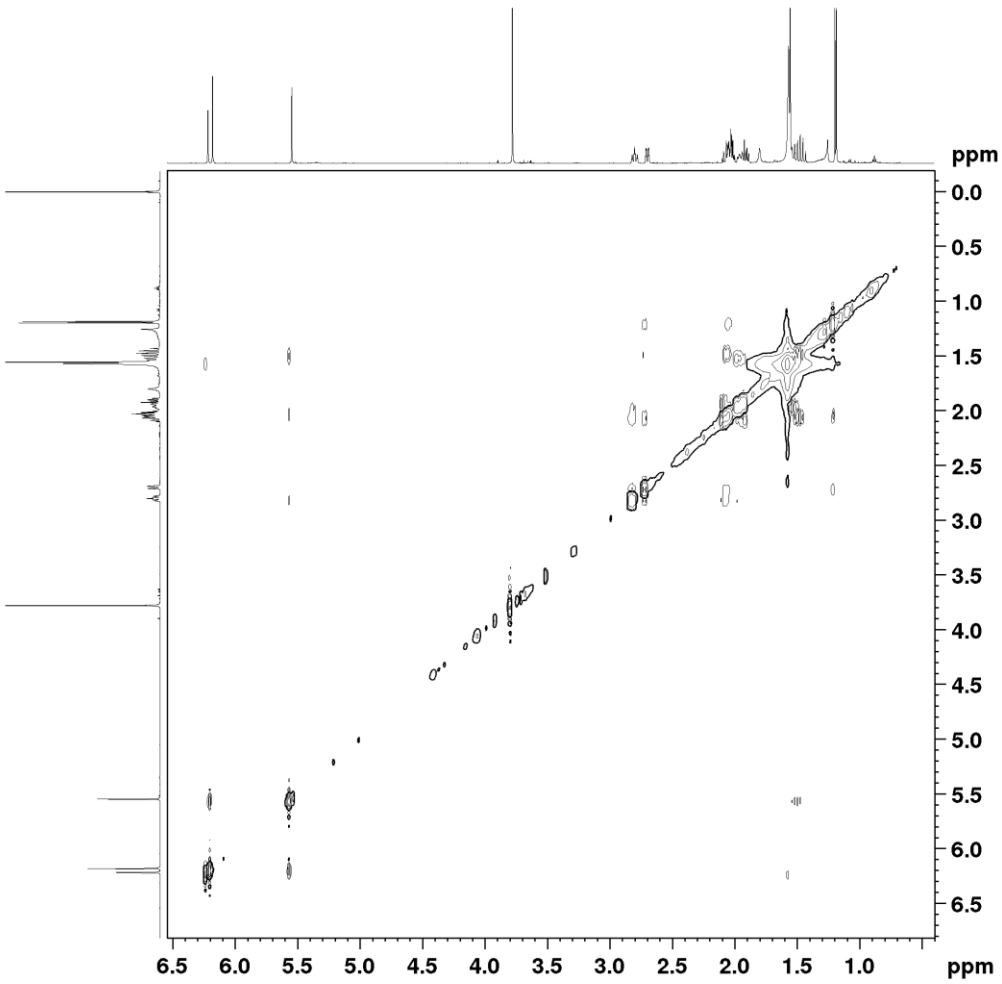
F2 - Acquisition Parameters
Date_ 20210221
Time 7.21 h
INSTRUM spect
PROBHD Z150290_0006 (
PULPROG cosygpmfqf
TD 2048
SOLVENT CDCl3
NS 4
DS 16
SWH 6602.113 Hz
FIDRES 6.447376 Hz
AQ 0.1551019 sec
RG 191.24
DW 75.733 usec
DE 10.00 usec
TE 298.0 K
D0 0.00000300 sec
D1 2.00000000 sec
D13 0.00000400 sec
D16 0.00020000 sec
IN0 0.00015140 sec
TDav 1
SFO1 600.2024008 MHz
NUC1 1H
P1 10.00 usec
PLW1 17.23500061 W
GPNAM[1] SMSQ10.100
GPZ1 16.00 %
GPNAM[2] SMSQ10.100
GPZ2 12.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 128
SFO1 600.2024 MHz
FIDRES 103.203438 Hz
SW 11.005 ppm
FnMODE QF

F2 - Processing parameters
SI 1024
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 600.2000000 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S219 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **39**




```
Current Data Parameters
NAME            RDP-93! !
EXPNO                   7
PROCNO                  1

F2 - Acquisition Parameters
Date_            20210221
Time                7.40 h
INSTRUM             spect
PROBHD    Z150290_0006 (
PULPROG      noesygpphpp
TD                   2048
SOLVENT              CDCl3
NS                      4
DS                     16
SWH              6602.113 Hz
FIDRES           6.447376 Hz
AQ               0.1551019 sec
RG                   60.93
DW                  75.733 usec
DE                  10.00 usec
TE                  298.0 K
D0               0.00006297 sec
D1               2.00000000 sec
D8               0.80000001 sec
D11              0.03000000 sec
D12              0.00002000 sec
D16              0.00020000 sec
IN0              0.00015140 sec
TDav                    1
SFO1           600.2024008 MHz
NUC1                   1H
P1                  10.00 usec
P2                  20.00 usec
P17               2500.00 usec
PLW1           17.23500061 W
PLW10           2.75760007 W
GPNAM[1]       SMSQ10.100
GPZ1                40.00 %
P16               1000.00 usec

F1 - Acquisition parameters
TD                     256
SFO1            600.2024 MHz
FIDRES          51.601719 Hz
SW                 11.005 ppm
FnMODE         States-TPPI

F2 - Processing parameters
SI                    1024
SF             600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
PC                     1.00

F1 - Processing parameters
SI                    1024
MC2            States-TPPI
SF             600.2000000 MHz
WDW                   QSINE
SSB                       2
LB         0 Hz
GB         0
```

Figure S220 NOESY spectrum (600 MHz, $CDCl_3$) of compound **39**

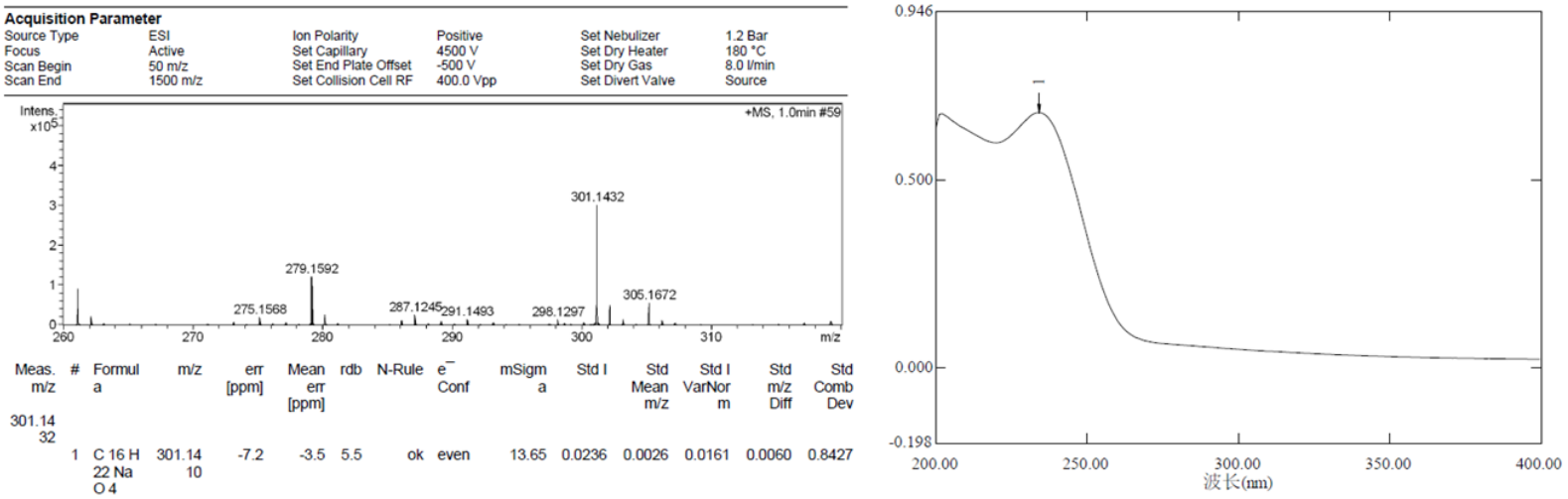


Figure S221 HRESIMS and UV spectra of compound **40**

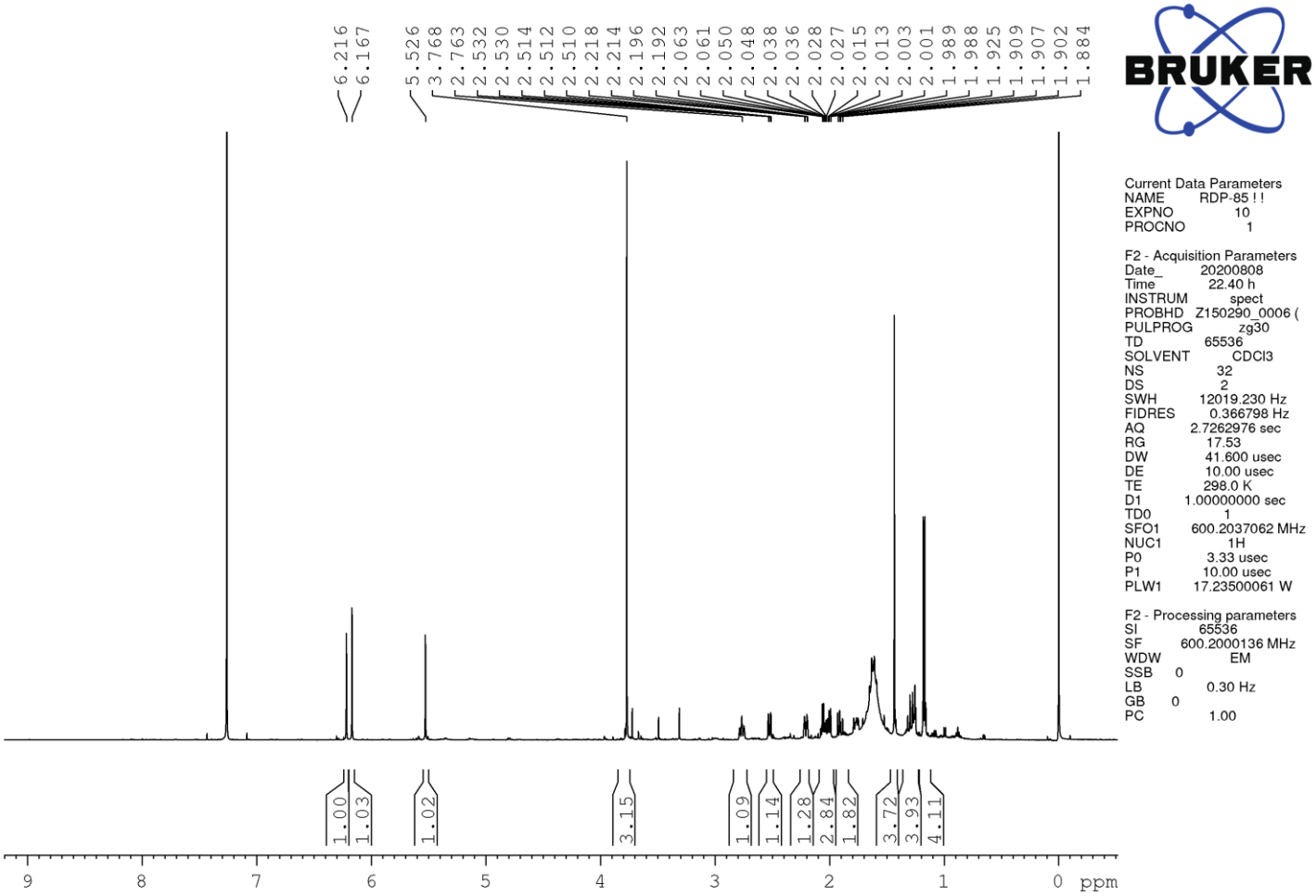


Figure S222 ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **40**

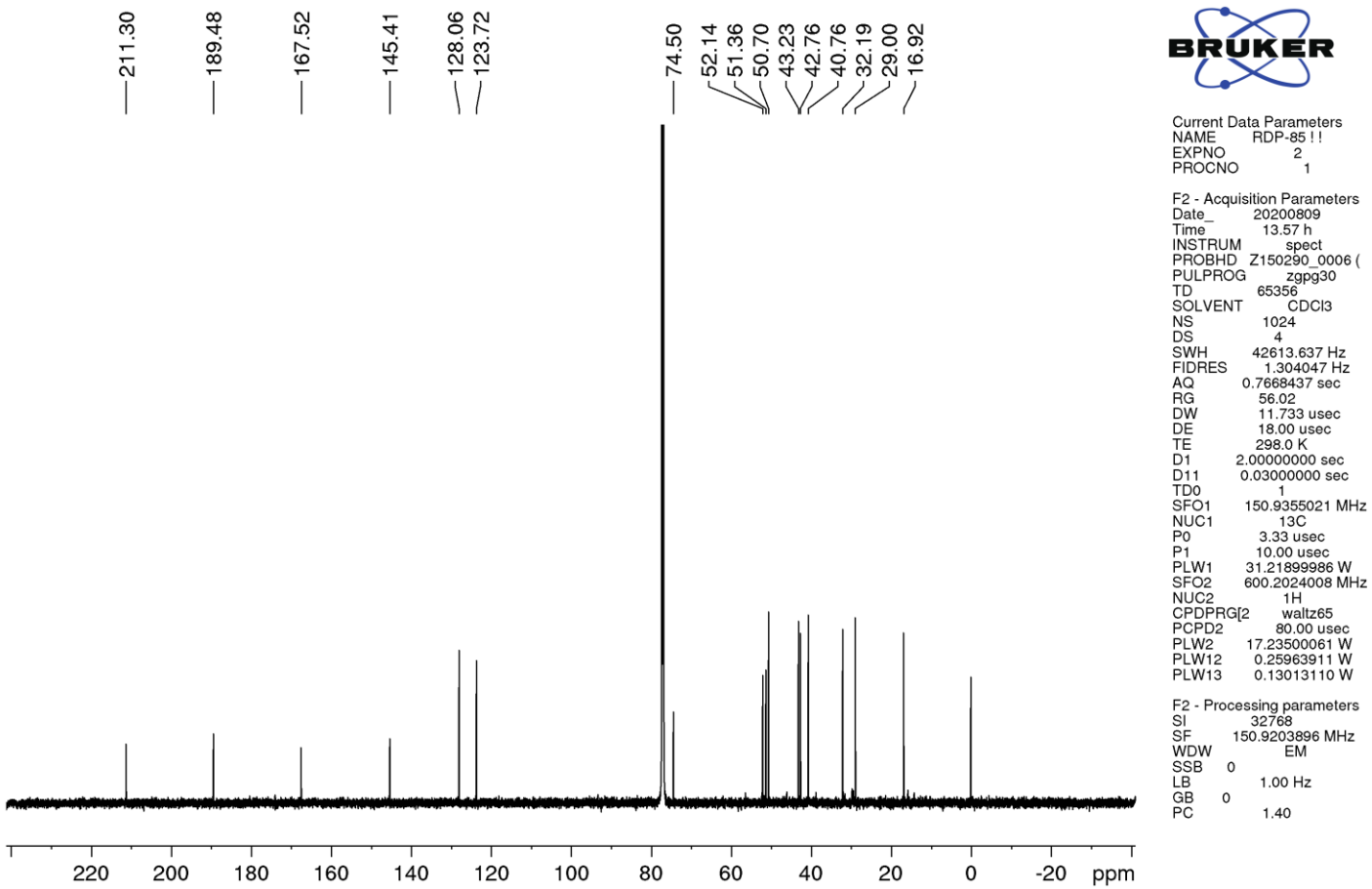
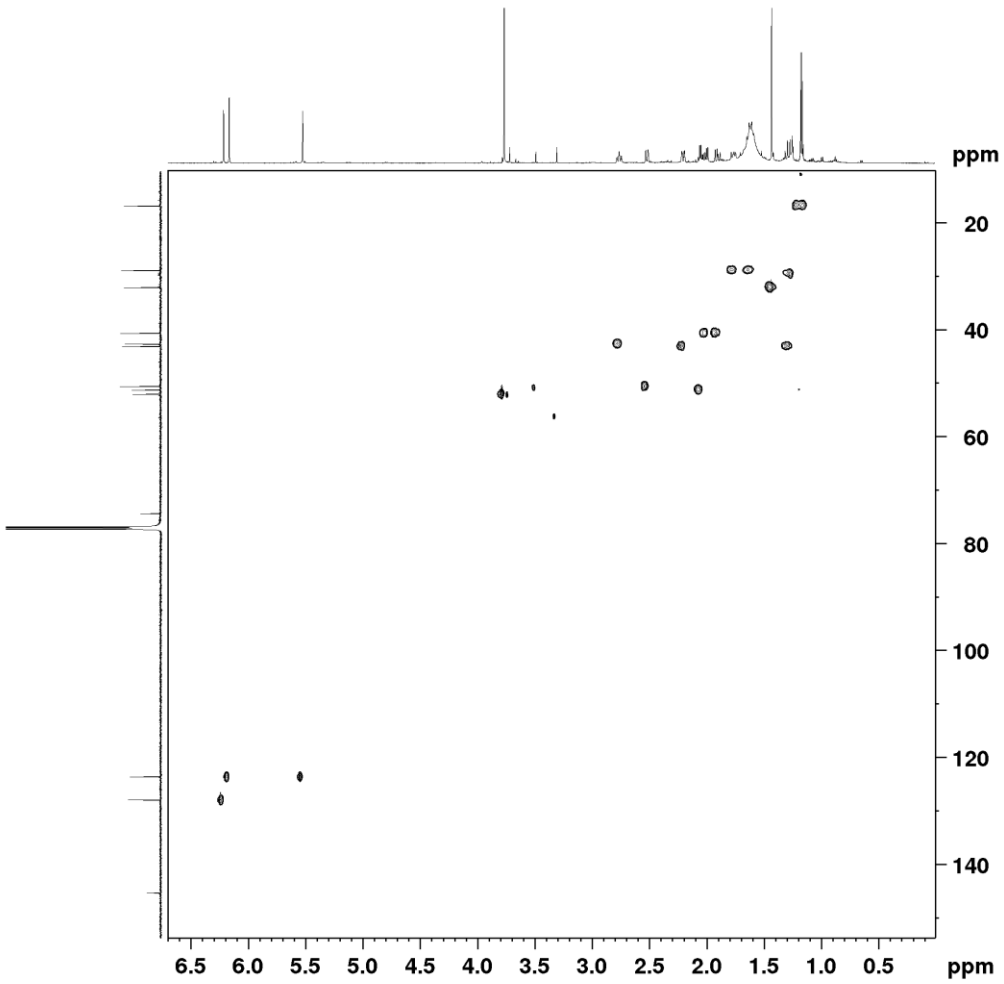
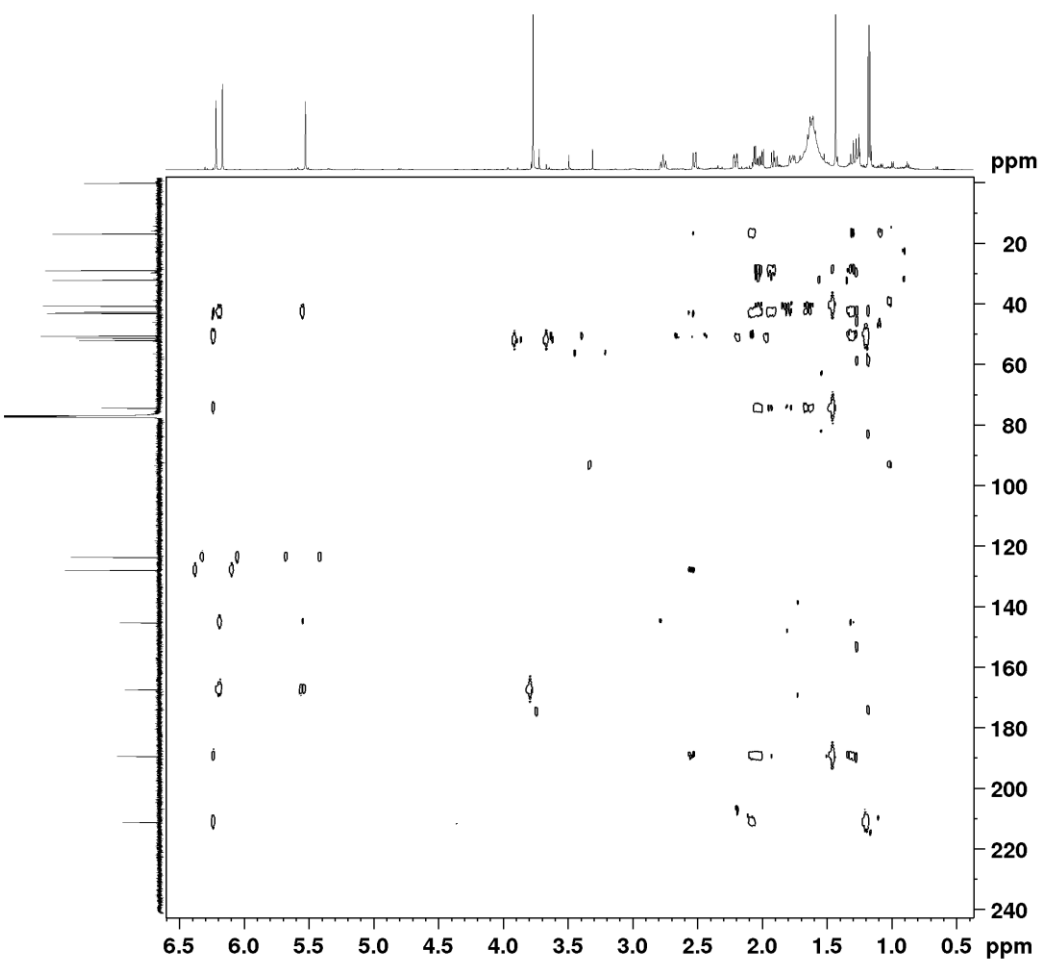


Figure S223 ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **40**



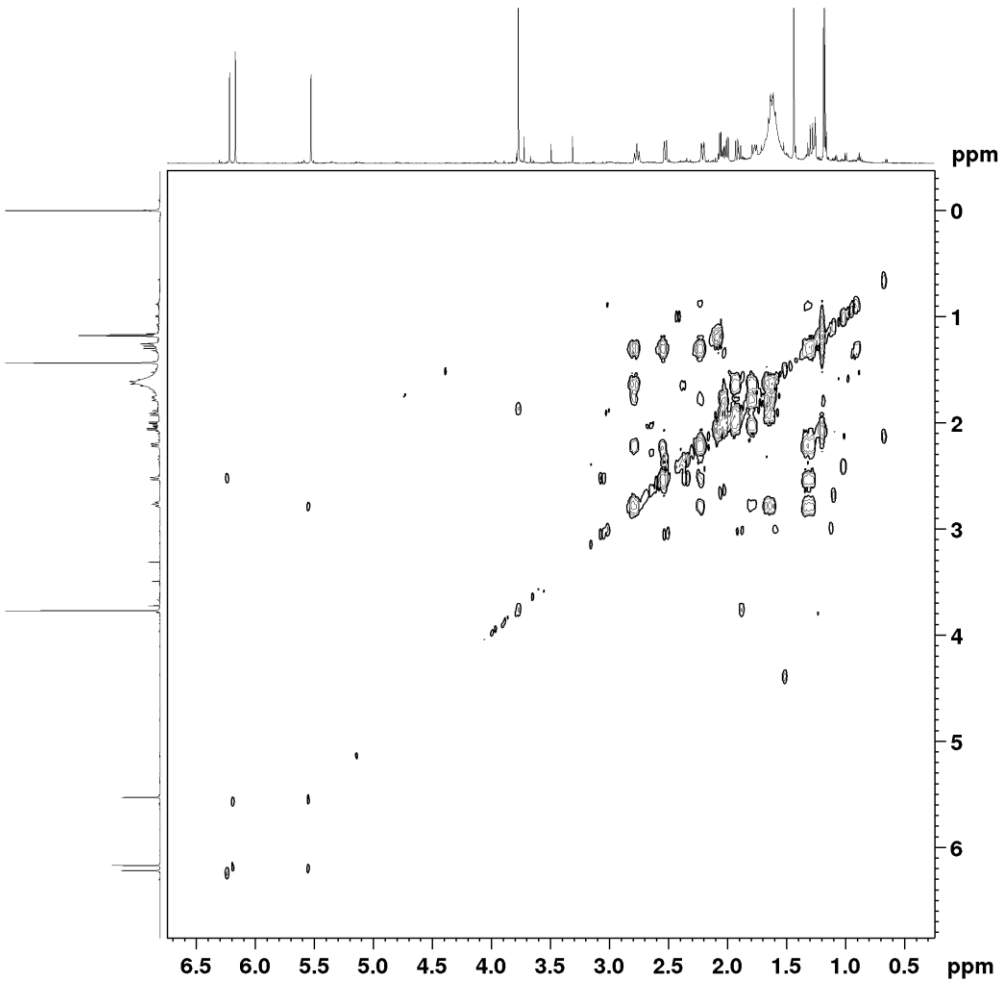

```
Current Data Parameters
NAME          RDP-85 1 f
EXPNO                 4
PROCNO                1

F2 - Acquisition Parameters
Date_          20200815
Time              4.29 h
INSTRUM             spect
PROBHD   Z150290_0006 (
PULPROG  hsqcetgpsisp2.2
TD                 2048
SOLVENT            CDCl3
NS                    2
DS                   16
SWH           7211.539 Hz
FIDRES           7.042519 Hz
AQ            0.1419947 sec
RG                191.24
DW               69.333 usec
DE                10.00 usec
TE                298.0 K
CNST2       145.00000000
CNST17       -0.5000000
D0            0.00000300 sec
D1            1.50000000 sec
D4            0.00172414 sec
D11           0.03000000 sec
D16           0.00020000 sec
D24           0.00086200 sec
IN0           0.00001230 sec
TDav                  1
SFO1        600.2024008 MHz
NUC1                 1H
P1                10.00 usec
P2                20.00 usec
P28       0 usec
PLW1        17.23500061 W
SFO2       150.9377659 MHz
NUC2                13C
CPDPRG[2            garp4
P3                10.00 usec
P14              500.00 usec
P24             2000.00 usec
PCPD2             55.00 usec
PLW0      0 W
PLW2        31.21899986 W
PLW12        1.01273096 W
SPNAM[3] Crp60,0.5,20.1
SPOAL3               0.500
SPOFFS3   0 Hz
SPW3          4.76999998 W
SPNAM[7]     Crp60comp.4
SPOAL7               0.500
SPOFFS7   0 Hz
SPW7          4.76999998 W
GPNAM[1]       SMSQ10.100
GPZ1                80.00 %
GPNAM[2]       SMSQ10.100
GPZ2                20.10 %
GPNAM[3]       SMSQ10.100
GPZ3                11.00 %
GPNAM[4]       SMSQ10.100
GPZ4                -5.00 %
P16               1000.00 usec
P19                600.00 usec

F1 - Acquisition parameters
TD                    256
SFO1           150.9378 MHz
FIDRES         317.581299 Hz
SW                269.319 ppm
FnMODE     Echo-Antiecho

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
PC                   1.40

F1 - Processing parameters
SI                   1024
MC2         echo-antiecho
SF            150.9204100 MHz
WDW                 QSINE
SSB                     2
LB        0 Hz
GB        0
```

Figure S224 HSQC spectrum (600 MHz, $CDCl_3$) of compound **40**



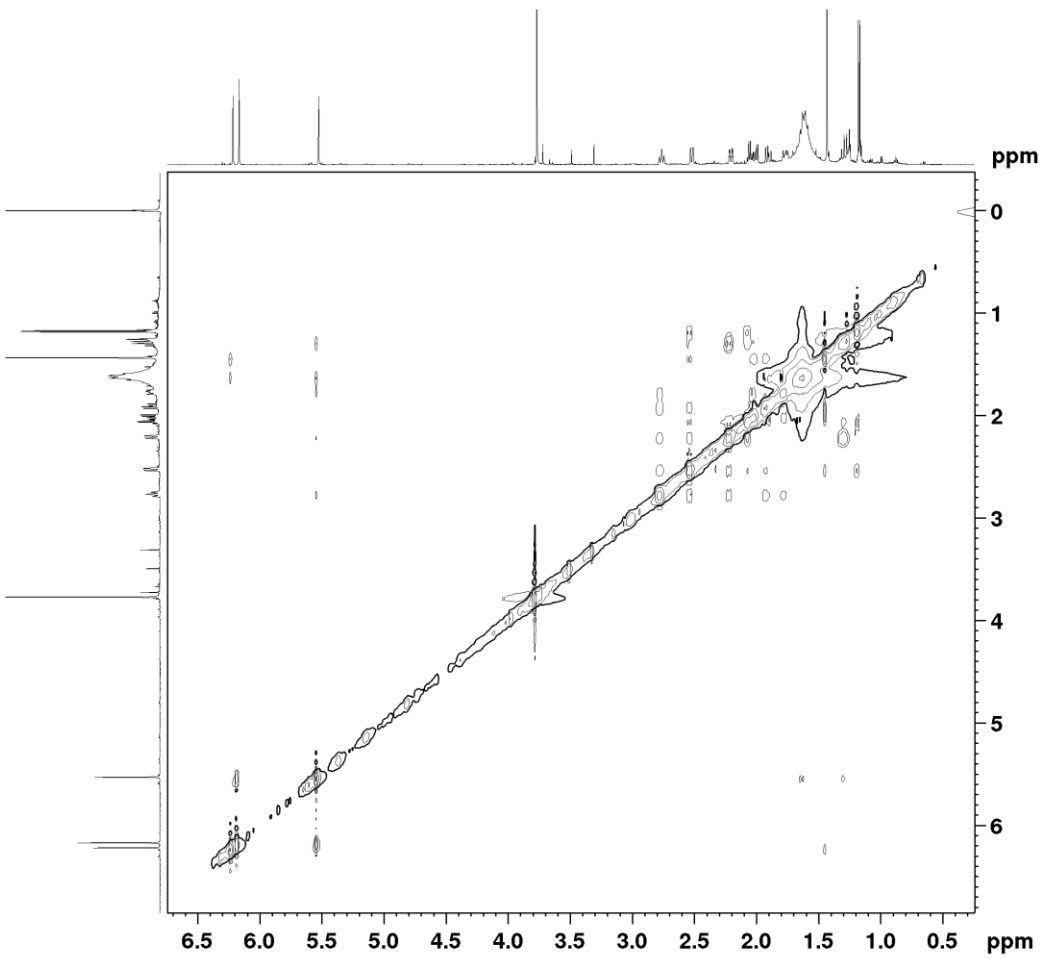

```
Current Data Parameters
NAME            RDP-85 ! !
EXPNO                    5
PROCNO                   1

F2 - Acquisition Parameters
Date_             20200815
Time                 4.45 h
INSTRUM              spect
PROBHD    Z150290_0006 (
PULPROG       hmbcgpndqf
TD                    4096
SOLVENT             CDCl3
NS                       8
DS                      16
SWH               7211.539 Hz
FIDRES            3.521259 Hz
AQ                0.2839893 sec
RG                   191.24
DW                 69.333 usec
DE                 10.00 usec
TE                   298.0 K
CNST13            8.0000000
D0                0.00000300 sec
D1                1.50000000 sec
D6                0.06250000 sec
D16               0.00020000 sec
IN0               0.00001230 sec
TDav                     1
SFO1            600.2024008 MHz
NUC1                    1H
P1                 10.00 usec
P2                 20.00 usec
PLW1           17.23500061 W
SFO2           150.9377659 MHz
NUC2                    13C
P3                 10.00 usec
PLW2           31.21899986 W
GPNAM[1]       SMSQ10.100
GPZ1                50.00 %
GPNAM[2]       SMSQ10.100
GPZ2                30.00 %
GPNAM[3]       SMSQ10.100
GPZ3                40.10 %
P16              1000.00 usec

F1 - Acquisition parameters
TD                       128
SFO1             150.9378 MHz
FIDRES          635.162598 Hz
SW                269.319 ppm
FnMODE                   QF

F2 - Processing parameters
SI                       4096
SF              600.2000000 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
PC                       1.40

F1 - Processing parameters
SI                       1024
MC2                      QF
SF              150.9204100 MHz
WDW                      SINE
SSB          0
LB           0 Hz
GB           0
```

Figure S225 HMBC spectrum (600 MHz, $CDCl_3$) of compound **40**




```
Current Data Parameters
NAME          RDP-85 ! !
EXPNO                 6
PROCNO                1

F2 - Acquisition Parameters
Date_          20200815
Time               5.18 h
INSTRUM           spect
PROBHD    Z150290_0006 (
PULPROG       cosygpmfqf
TD                 2048
SOLVENT            CDCl3
NS                    4
DS                   16
SWH            7211.539 Hz
FIDRES         7.042518 Hz
AQ            0.1419947 sec
RG               191.24
DW               69.333 usec
DE               10.00 usec
TE               298.0 K
D0            0.00000300 sec
D1            2.00000000 sec
D13           0.00000400 sec
D16           0.00020000 sec
IN0           0.00013880 sec
TDav                  1
SFO1         600.2024008 MHz
NUC1                 1H
P1                10.00 usec
PLW1        17.23500061 W
GPNAM[1]      SMSQ10.100
GPZ1              16.00 %
GPNAM[2]      SMSQ10.100
GPZ2              12.00 %
GPNAM[3]      SMSQ10.100
GPZ3              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                   128
SFO1           600.2024 MHz
FIDRES       112.572044 Hz
SW               12.004 ppm
FnMODE                QF

F2 - Processing parameters
SI                   1024
SF          600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
PC                   1.40

F1 - Processing parameters
SI                   1024
MC2                   QF
SF          600.2000000 MHz
WDW                  SINE
SSB       0
LB        0 Hz
GB        0
```

Figure S226 ^{1}H-^{1}H COSY spectrum (600 MHz, $CDCl_3$) of compound **40**




```
Current Data Parameters
NAME          RDP-85 ! !
EXPNO                7
PROCNO               1

F2 - Acquisition Parameters
Date_          20200815
Time               5.38 h
INSTRUM           spect
PROBHD   Z150290_0006 (
PULPROG     noesygpphpp
TD                 2048
SOLVENT            CDCl3
NS                    4
DS                   16
SWH             7211.539 Hz
FIDRES          7.042518 Hz
AQ              0.1419947 sec
RG                 60.93
DW                 69.333 usec
DE                 10.00 usec
TE                298.0 K
D0             0.00005667 sec
D1             2.00000000 sec
D8             0.80000001 sec
D11            0.03000000 sec
D12            0.00002000 sec
D16            0.00020000 sec
IN0            0.00013880 sec
TDav                  1
SFO1          600.2024008 MHz
NUC1                 1H
P1                 10.00 usec
P2                 20.00 usec
P17              2500.00 usec
PLW1          17.23500061 W
PLW10          2.75760007 W
GPNAM[1]       SMSQ10.100
GPZ1              40.00 %
P16             1000.00 usec

F1 - Acquisition parameters
TD                   256
SFO1            600.2024 MHz
FIDRES          56.286022 Hz
SW                12.004 ppm
FnMODE       States-TPPI

F2 - Processing parameters
SI                   1024
SF            600.2000000 MHz
WDW                  QSINE
SSB                     2
LB        0 Hz
GB        0
PC                   1.00

F1 - Processing parameters
SI                   1024
MC2          States-TPPI
SF            600.2000000 MHz
WDW                  QSINE
SSB                     2
LB        0 Hz
GB        0
```

Figure S227 NOESY spectrum (600 MHz, $CDCl_3$) of compound **40**

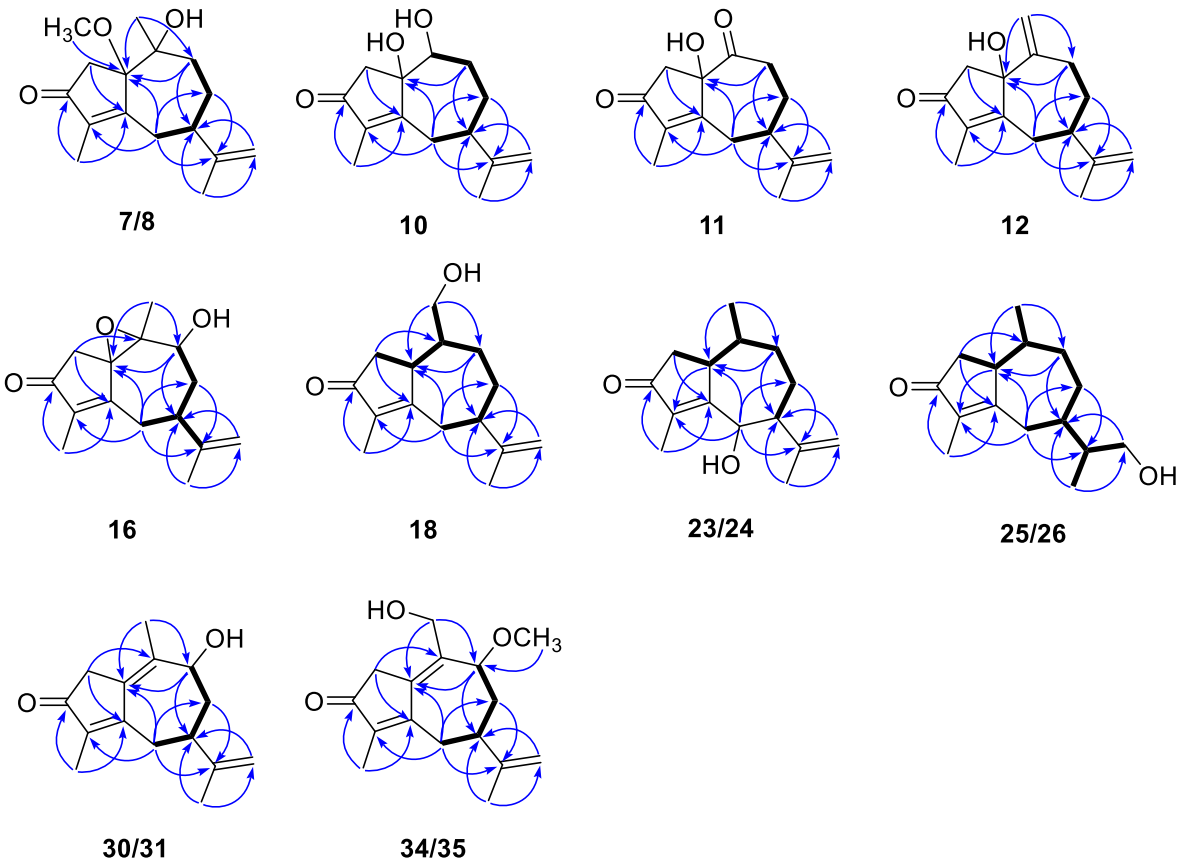


Figure S228 Key correlations from COSY and HMBC of compounds **7**−**8**, **10**−**12**, **16**, **18**, **23**−**26**, **30**−**31** and **34**−**35.**

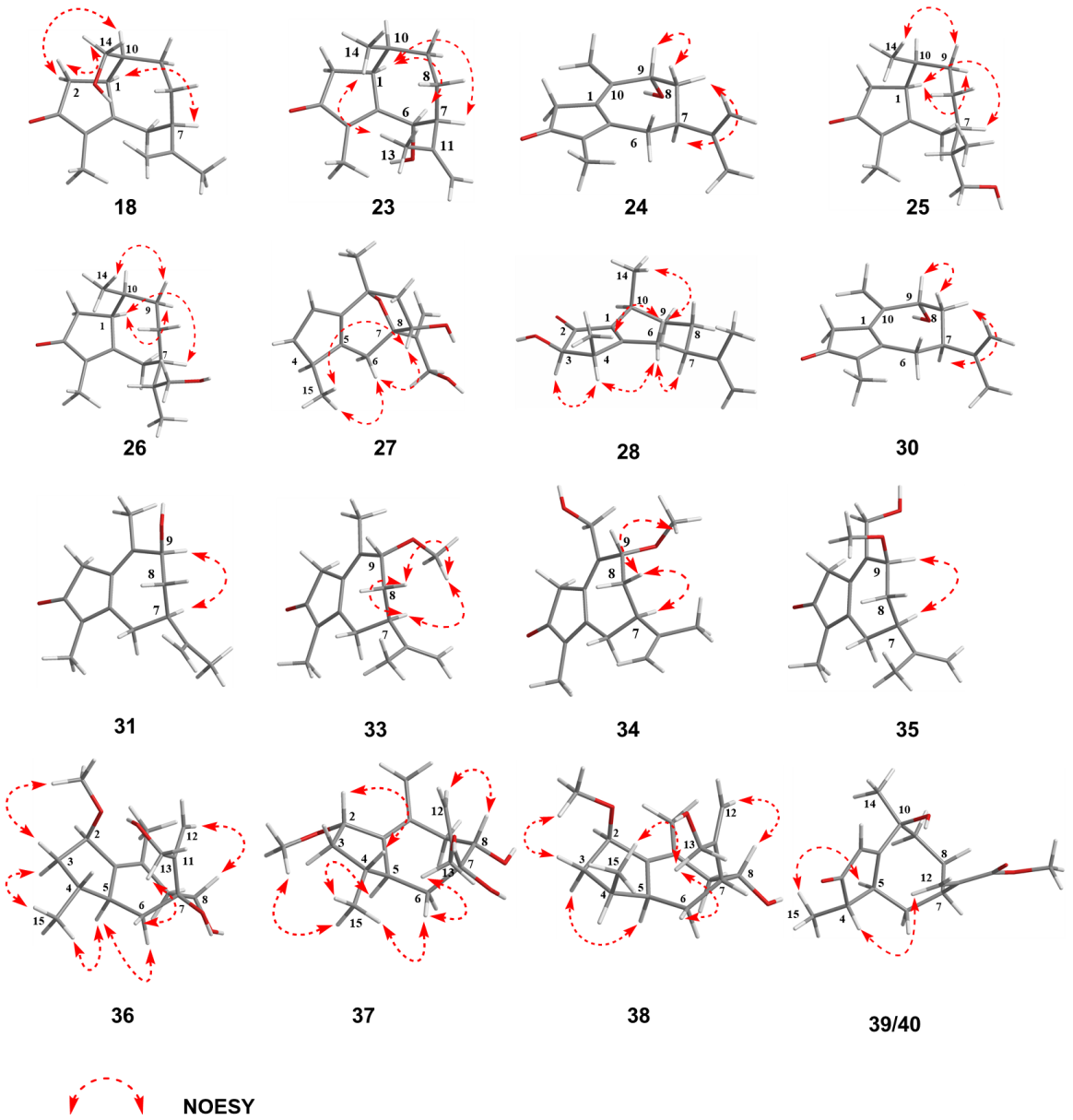


Figure S229 Key NOESY correlations for **18**, **23-31** and **33-40**.

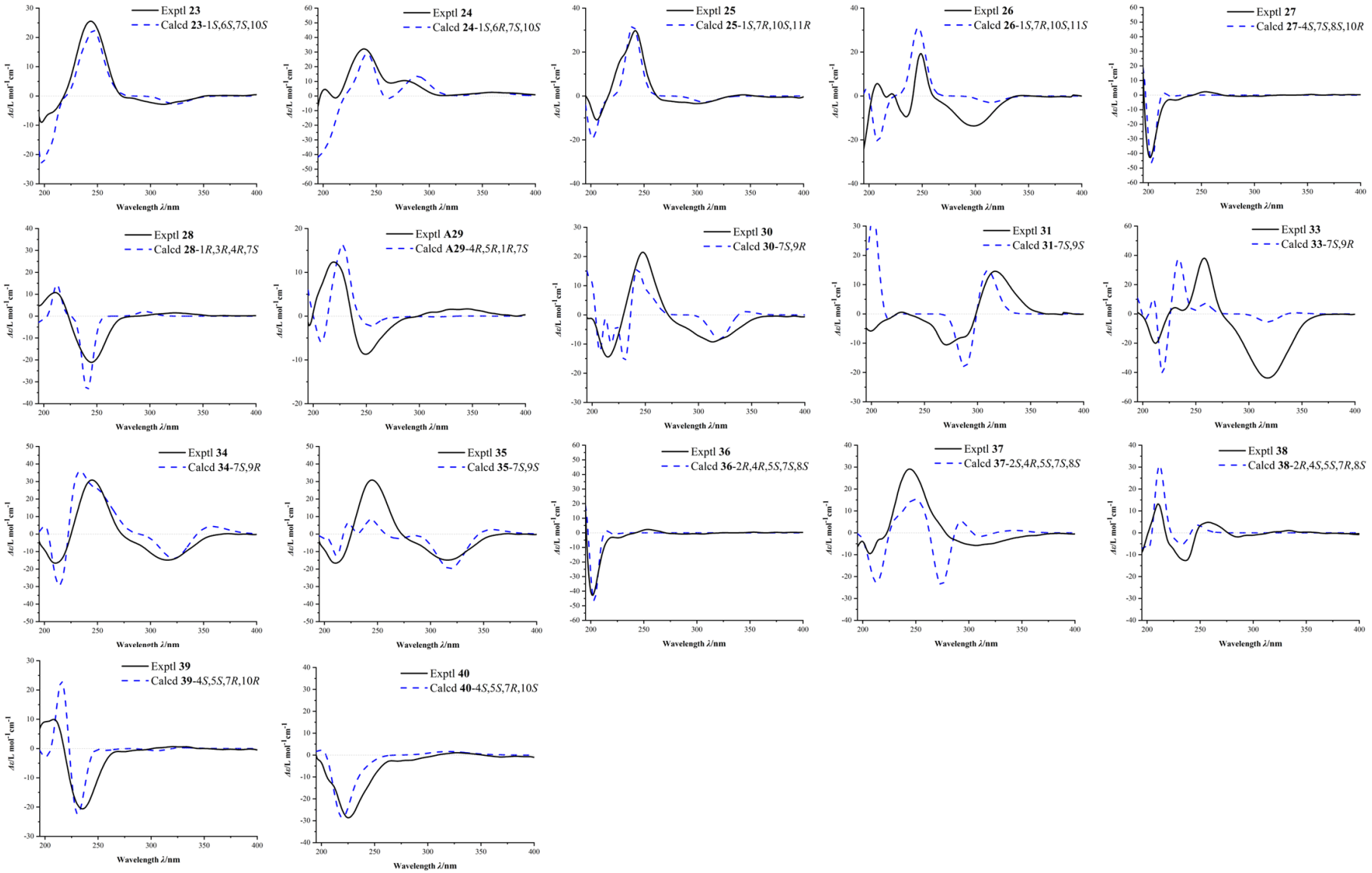


Figure S230 Experimental and calculated ECD spectra for **23-31** and **33-40**.

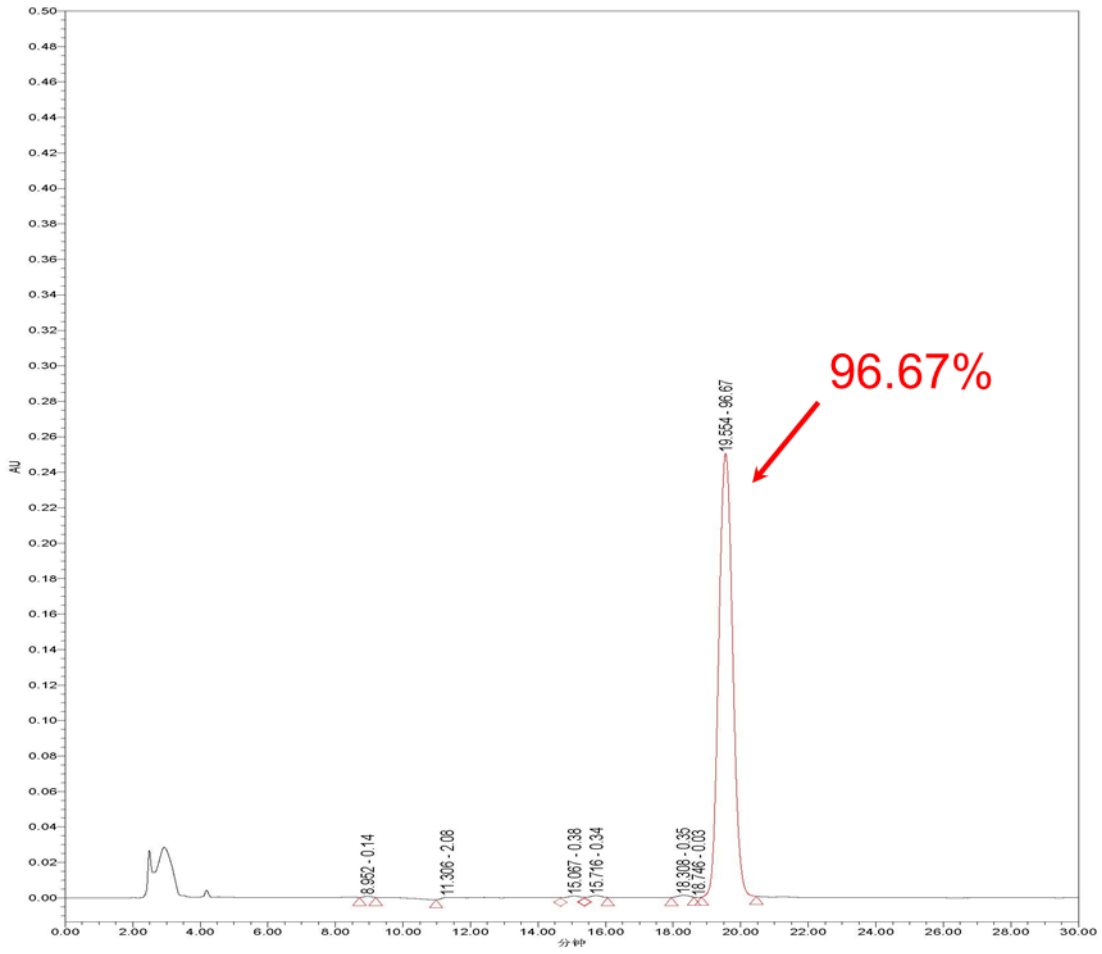


Figure S231 HPLC analysis of compound **7**.

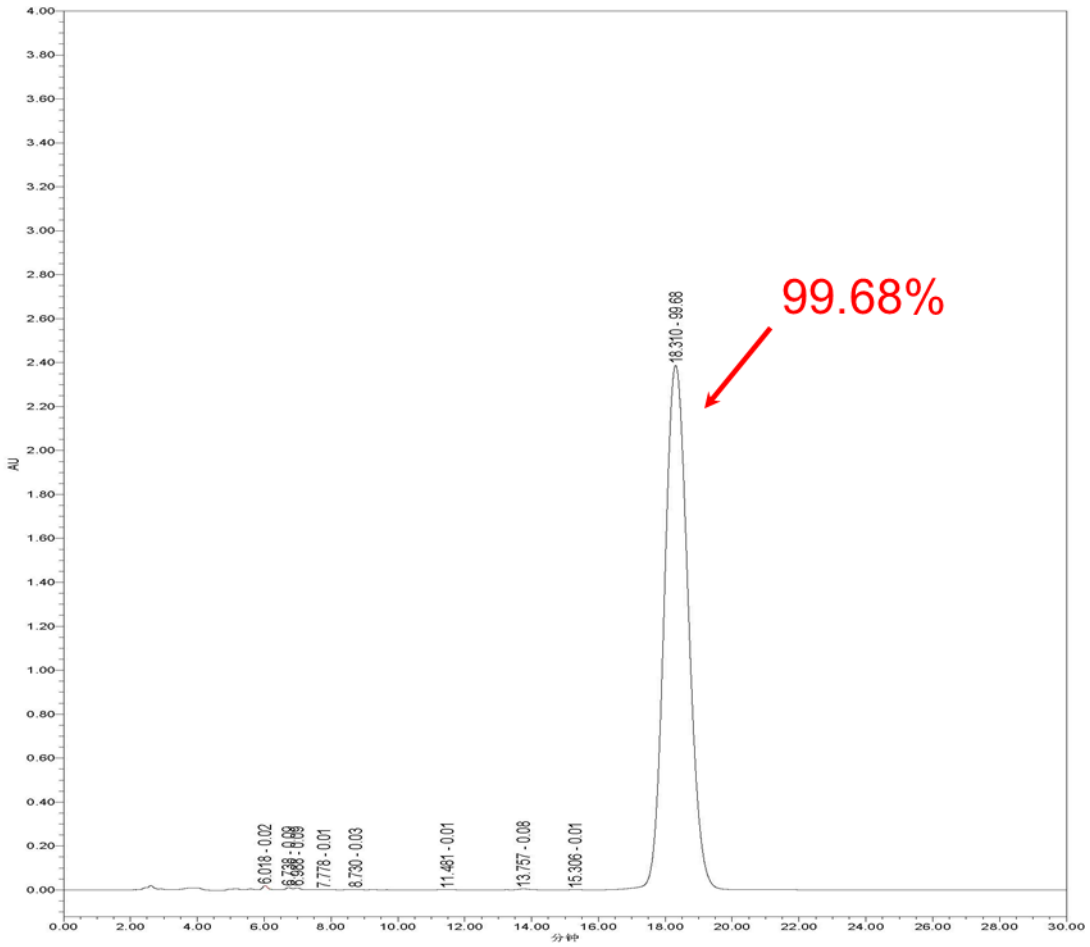


Figure S231 HPLC analysis of compound **15**.

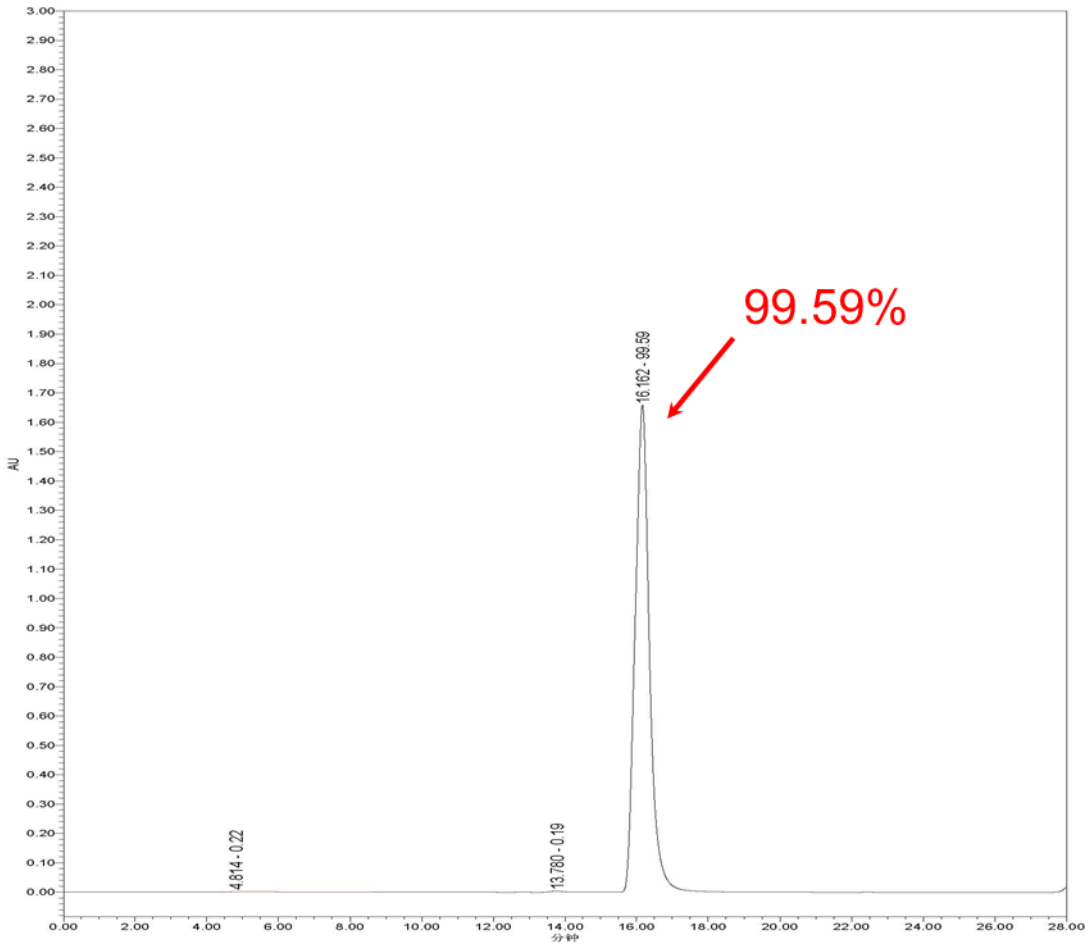


Figure S231 HPLC analysis of compound **16**.

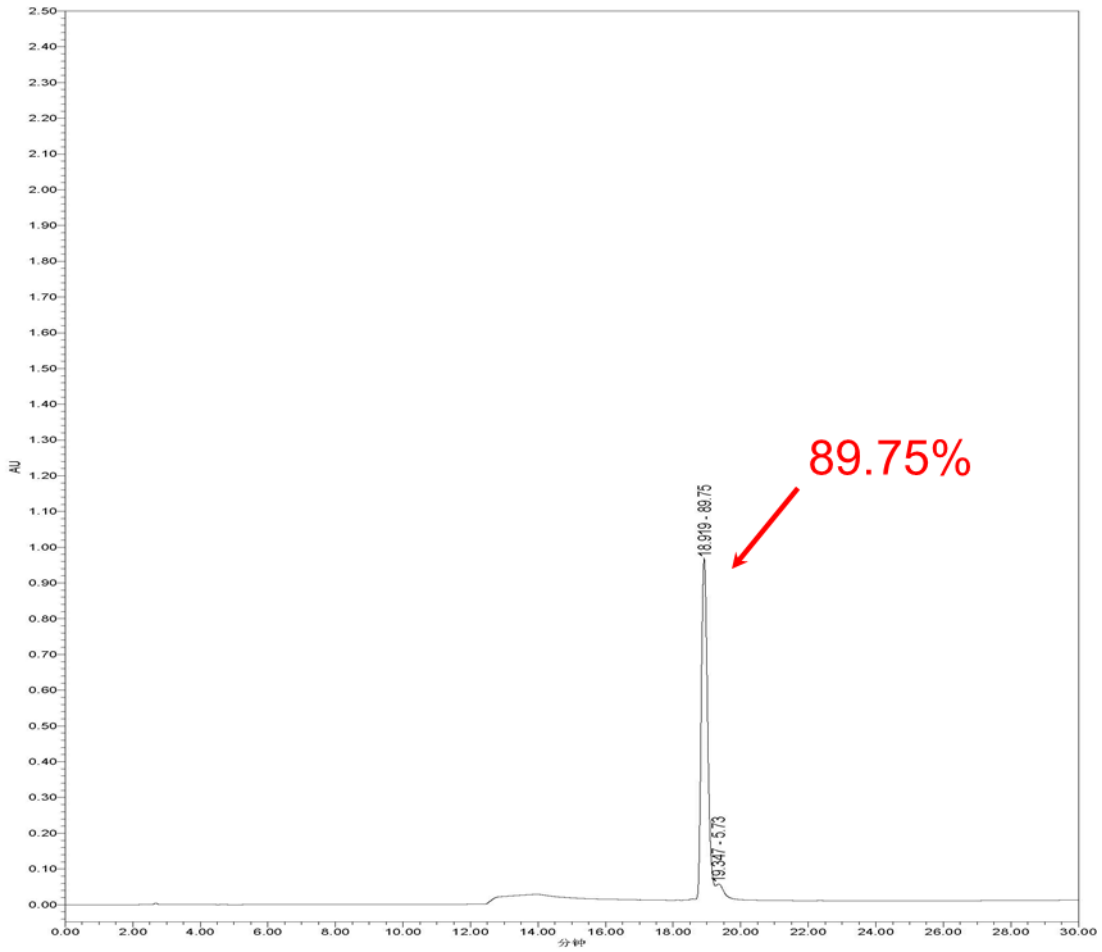


Figure S231 HPLC analysis of compound **38**.