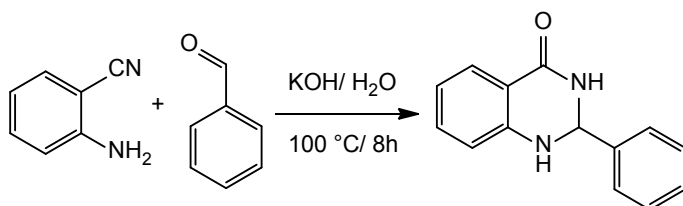


Supporting Information

General remarks:

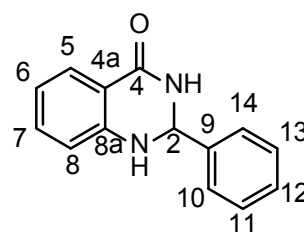
All Chemicals were commercial available and were used without further purification. NMR-data was recorded by a Bruker ARX 300 and Bruker ARX 400 spectrometers. ^{13}C - and ^1H -spectra were referenced to deuterated solvent signals. Peaks were characterized as singlet (*s*), doublet (*d*), doublet of doublet (*dd*), triplet (*t*), doublet of triplets (*dt*), quartet (*q*) and multiplet (*m*). Gas-chromatographie-mass-analysis was measured by an Agilent HP-5890 with Agilent HP-5973 Mass Selective Detector (EI) and HP-5-capillary column using helium as carrier gas. Column-chromatographie was carried out using Merck 60 Silica-Gel (0.043 - 0.06 mm) and distilled solvents were used.

General experimental procedure:



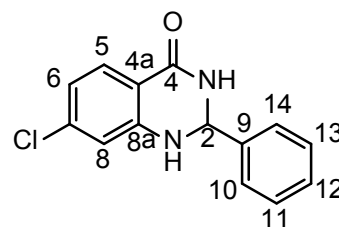
2-Phenyl-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (250 MHz, DMSO-*d*₆): δ = 8.28 (*s*, 1H, NH(3)), 7.61 (*dd*, 1H, 3J = 7.8 Hz, 4J = 1.6 Hz, CH(5)), 7.49 (*dd*, 2H, 3J = 7.9 Hz, 4J = 1.9 Hz, CH(10 + 14)), 7.45 - 7.29 (*m*, 3H, CH(11 + 12 + 13)), 7.24 (*ddd*, 1H, 3J = 8.1 Hz, 3J = 7.2 Hz, 3J = 1.6 Hz, CH(7)), 7.11 (*s*, 1H, NH(1)), 6.78 - 6.72 (*m*, 1H, CH(8)), 6.71 - 6.63 (*m*, 1H, CH(6)), 5.75 (*t*, 1H, 3J = 1.9 Hz, CH(2)); $^{13}\text{C-NMR}$ (63 MHz, DMSO-*d*₆): δ = 163.6 (C=O(4)), 147.8 (C_{quart}(8a)), 141.6 (C_{quart}(9)), 133.3 (CH(7)), 128.4 (CH(12)), 128.3 (CH(11 + 13)), 127.3 (CH(5)), 126.8 (CH(10 + 14)), 117.1 (CH(6)), 114.9 (C_{quart}(4a)), 114.4 (CH(8)), 66.5 (CH(2)) ppm; MS: (EI, 70 eV) *m/z* (%) = 224 ([M]⁺, 19), 223 (27), 147 (100), 120 (42), 119 (15), 104 (10), 92 (29), 77 (20), 65 (14), 64 (10), 51 (15).



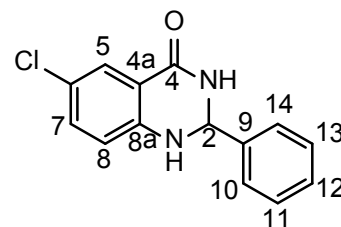
2-Phenyl-7-chloro-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (300 MHz, DMSO-*d*₆): δ = 8.47 (*s*, 1H, NH(3)), 7.54 (*d*, 1H, 4J = 2.6 Hz, CH(8)), 7.50 - 7.45 (*m*, 2H, CH(10 + 14)), 7.44 - 7.34 (*m*, 3H, CH(11 + 12 + 13)), 7.34 - 7.32 (*m*, 1H, NH(1)), 7.28 (*dd*, 1H, 3J = 8.7 Hz, 4J = 2.7 Hz, CH(6)), 6.78 (*d*, 1H, 3J = 8.7 Hz, CH(8)), 5.78 (*dd*, 1H, 3J = 1.9 Hz, 3J = 1.9 Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO-*d*₆): δ = 162.4 (C=O(4)), 146.6 (C_{quart}(8a)), 141.2 (C_{quart}(9)), 133.1 (C_{quart}(7)), 128.6 (CH(12)), 128.4 (CH(11 + 13)), 126.8 (CH(10 + 14)), 126.4 (CH(5)), 120.7 (CH(6)), 116.4 (CH(8)), 116.0 (C_{quart}(4a)), 66.4 (CH(2)) ppm; MS: (EI, 70 eV) *m/z* (%) = 259 ([M]⁺, 10), 258 (20), 257 (27), 183 (37), 182 (14), 181 (100), 156 (18), 155 (11), 154 (46), 153 (15), 126 (26), 104 (17), 90 (10), 77 (27), 63 (18), 51 (19).



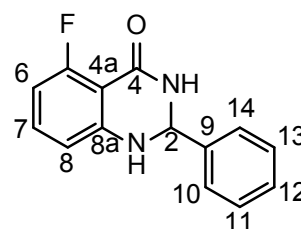
2-Phenyl-6-chloro-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (300 MHz, DMSO-*d*₆): δ = 8.49 (*s*, 1H, NH(3)), 7.54 (*d*, 1H, 4J = 2.6 Hz, CH(5)), 7.50 - 7.45 (*m*, 2H, CH(10 + 14)), 7.44 - 7.35 (*m*, 3H, CH(11 + 12 + 13)), 7.34 (*s*, 1H, NH(1)), 7.28 (*dd*, 1H, 3J = 8.7 Hz, 4J = 2.6 Hz, CH(7)), 6.78 (*d*, 1H, 3J = 8.7 Hz, CH(8)), 5.78 (*dd*, 1H, 3J = 1.8 Hz, 3J = 1.8 Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO-*d*₆): δ = 162.4 (C=O), 146.6 (C_{quart}(8a)), 141.2 (C_{quart}(9)), 133.1 (C_{quart}(6)), 128.6 (CH(12)), 128.4 (CH(11 + 13)), 126.8 (CH(10 + 14)), 126.4 (CH(5)), 120.7 (CH(7)), 116.4 (CH(8)), 116.0 (C_{quart}(4a)), 66.4 (CH(2)) ppm; MS: (EI, 70 eV) *m/z* (%) = 259 ([M]⁺, 10), 258 (23), 257 (27), 183 (30), 182 (11), 181 (100), 156 (12), 155 (10), 154 (34), 153 (18), 126 (22), 125 (10), 104 (12), 99 (10), 90 (11), 77 (24), 75 (10), 63 (16), 51 (15).



2-Phenyl-5-fluoro-2,3-dihydroquinazolin-4(1H)-one

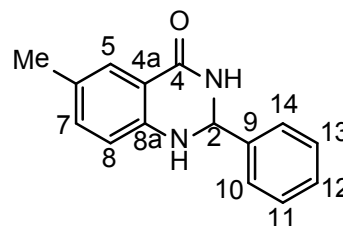
$^1\text{H-NMR}$ (300 MHz, DMSO-*d*₆): δ = 8.33 (*s*, 1H, NH(3)), 7.51 - 7.45 (*m*, 3H, CH(10 + 14) + NH(1)), 7.44 - 7.34 (*m*, 3H, CH(11 + 12 + 13)), 7.21 (*ddd*, 1H, 3J = 8.2 Hz, 3J = 8.2 Hz, 4J = 5.8 Hz, CH(7)), 6.59 (*ddd*, 1H, 3J = 8.2 Hz, 4J = 0.7 Hz, 5J = 0.7 Hz, CH(8)), 6.39 (*ddd*, 1H, 3J = 11.5 Hz, 3J = 8.1 Hz, 4J = 1.0 Hz, CH(6)), 5.70 (*dd*, 1H, 3J = 1.9 Hz, 3J = 1.9 Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO-*d*₆): δ = 162.3 (*d*, 1J = 256.7 Hz, CF(5)), 160.9 (*d*, 3J = 2.7



Hz, C=O(4)), 150.2 (d , $^3J = 4.0$ Hz, $C_{\text{quart}}(8a)$), 141.0 ($C_{\text{quart}}(9)$), 134.1 (d , $^3J = 11.5$ Hz, CH(7)), 128.6 (CH(12)), 128.4 (CH(11 + 13)), 126.9 (CH(10 + 14)), 110.5 (d , $^4J = 3.4$ Hz, CH(8)), 104.5 (d , $^2J = 21.3$ Hz, CH(6)), 103.83 (d , $^2J = 9.3$ Hz, $C_{\text{quart}}(4a)$), 66.0 (CH₂) ppm; MS: (EI, 70 eV) m/z (%) = 242 ($[M]^+$, 20), 241 (29), 166 (11), 165 (100), 138 (59), 137 (16), 110 (31), 82 (10), 77 (21), 51 (14).

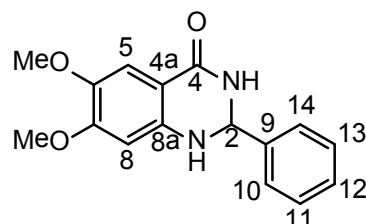
2-Phenyl-6-methyl-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (300 MHz, DMSO- d_6): $\delta = 8.24$ (s, 1H, NH(3)), 7.51 – 7.46 (m , 2H, CH(10 + 14)), 7.44 – 7.26 (m , 4H, CH(5 + 11 + 12 + 13)), 7.07 (dd , 1H, $^3J = 8.2$ Hz, $^4J = 1.9$ Hz, CH(7)), 6.92 (s, 1H, NH(1)), 6.66 (d , 1H, $^3J = 8.2$ Hz, CH(8)), 5.70 (dd , 1H, $^3J = 1.9$ Hz, CH(2)), 2.18 (s, 3H, CH₃) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO- d_6): $\delta = 163.7$ (C=O(4)), 145.7 ($C_{\text{quart}}(8a)$), 141.7 ($C_{\text{quart}}(9)$), 134.1 ($C_{\text{quart}}(6)$), 128.4 (CH(12)), 128.3 (CH(11 + 13)), 127.2 (CH(5)), 126.9 (CH(10 + 14)), 125.8 (CH(7)), 115.0 ($C_{\text{quart}}(4a)$), 114.6 (CH(8)), 66.7 (CH(2)), 20.1 (CH₃) ppm; MS: (EI, 70 eV) m/z (%) = 238 ($[M]^+$, 25), 237 (30), 236 (11), 162 (10), 161 (100), 134 (35), 133 (26), 106 (17), 79 (10), 78 (14), 77 (36), 51 (18).



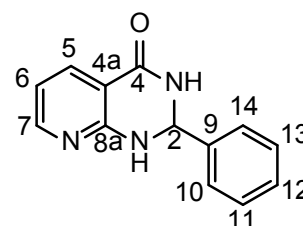
2-Phenyl-6,7-dimethoxy-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO- d_6): $\delta = 8.05$ (s, 1H, NH(3)), 7.53 – 7.45 (m , 2H, CH(10 + 14)), 7.43 – 7.29 (m , 3H, CH(11 + 12 + 13)), 7.11 (s, 1H, CH(5)), 6.79 (s, 1H, NH(1)), 6.37 (s, 1H, CH(8)), 5.68 (dd , $^3J = 1.9$ Hz, $^3J = 1.9$ Hz, 1H, CH(2)), 3.72 (s, 3H, OMe), 3.67 (s, 3H, OMe) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO- d_6): $\delta = 163.8$ (C=O(4)), 153.9 ($C_{\text{quart}}(7)$), 143.6 ($C_{\text{quart}}(8a)$), 141.7 ($C_{\text{quart}}(9)$), 141.5 ($C_{\text{quart}}(6)$), 128.4 (CH(12)), 128.2 (CH(11 + 13)), 126.8 (CH(10 + 14)), 109.8 ($C_{\text{quart}}(4a)$), 106.6 (CH(5)), 97.9 (CH(8)), 66.9 (CH(2)), 55.8 (C(OMe)), 55.4 (C(OMe)) ppm; MS: (EI, 70 eV) m/z (%) = 285 (13), 284 ($[M]^+$, 61), 283 (35), 282 (31), 267 (29), 208 (16), 207 (100), 191 (12), 180 (39), 179 (23), 164 (21), 152 (10), 136 (24), 106 (14), 104 (27), 77 (26), 51 (13).



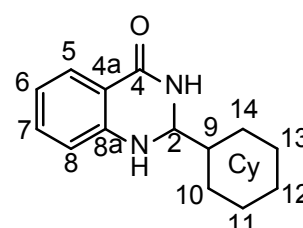
2-Phenyl-2,3-dihydropyrido[2,3-d]pyrimidin-4(1H)-one

$^1\text{H-NMR}$ (300 MHz, DMSO- d_6): $\delta = 8.60$ (s, 1H, NH(3)), 8.14 (dd , 1H, $^3J = 4.9$ Hz, $^4J = 2.0$ Hz, CH(7)), 8.01 (s, 1H, NH(1)), 7.90 (dd , 1H, $^3J = 7.5$, $^4J = 2.0$ Hz, CH(5)), 7.62 – 7.14 (m , 5H, CH(10 + 11 + 12 + 13 + 14)), 6.70 (dd , 1H, $^3J = 7.5$ Hz, $^3J = 4.9$ Hz, CH(6)), 5.83 (dd , 1H, $^3J = 2.5$ Hz, $^3J = 2.5$ Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO- d_6): $\delta = 162.8$ (C=O(4)), 157.5 ($C_{\text{quart}}(8a)$), 152.9 (CH(7)), 142.3 ($C_{\text{quart}}(9)$), 135.7 (CH(5)), 128.4 (CH(12)), 128.3 (CH(11 + 13)), 126.3 (CH(10 + 14)), 113.8 (CH(6)), 109.5 ($C_{\text{quart}}(4)$), 65.1 (CH(2)) ppm; MS: (EI, 70 eV) m/z (%) = 225 ($[M]^+$, 14), 224 (26), 148 (100), 121 (27), 93 (28), 77 (17), 51 (14).



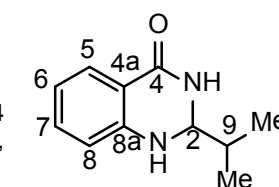
2-Cyclohexyl-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO- d_6): $\delta = 7.87$ (s, 1H, NH(3)), 7.55 (dd , 1H, $^3J = 7.7$ Hz, $^4J = 1.6$ Hz, CH(5)), 7.23 – 7.16 (m , 1H, CH(7)), 6.74 (dd , 1H, $^3J = 8.2$ Hz, $^4J = 1.1$ Hz, CH(8)), 6.60 (ddd , 1H, $^3J = 7.4$ Hz, $^3J = 7.3$ Hz, $^4J = 1.1$ Hz, CH(6)), 6.55 (s, 1H, NH(1)), 4.44 (ddd , 1H, $^3J = 4.2$ Hz, $^3J = 1.9$ Hz, $^3J = 1.9$ Hz, CH(2)), 1.77– 1.04 (m , 11H, CH₂(Cy)) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO- d_6): $\delta = 163.7$ (C=O(4)), 148.3 ($C_{\text{quart}}(8a)$), 133.0 (CH(7)), 127.2 (CH(5)), 116.4 (CH(6)), 114.8 ($C_{\text{quart}}(4a)$), 114.1 (CH(8)), 68.6 (CH(2)), 42.9 (CH₂(Cy)), 27.0 (CH₂(Cy)), 26.7 (CH₂(Cy)), 25.9 (CH₂(Cy)), 25.6 (CH₂(Cy)), 25.6 (CH₂(Cy)) ppm; MS: (EI, 70 eV) m/z (%) = 148 (10), 147 (100), 92 (10).



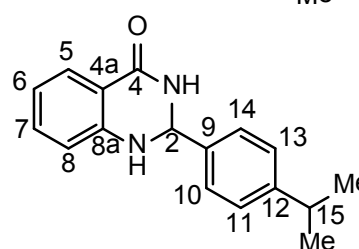
2-Isopropyl-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO- d_6): $\delta = 7.86$ (s, 1H, NH(3)), 7.57 (dd , $^3J = 7.8$ Hz, $^4J = 1.6$ Hz, 1H, CH(5)), 7.20 (ddd , 1H, $^3J = 8.5$ Hz, $^3J = 7.2$ Hz, $^4J = 1.7$ Hz, CH(7)), 6.75 (dd , 1H, $^3J = 8.2$ Hz, $^4J = 1.0$ Hz, CH(8)), 6.62 (ddd , 1H, $^3J = 7.5$ Hz, $^3J = 7.4$ Hz, $^4J = 1.1$ Hz, CH(6)), 6.51 (s, 1H, NH(1)), 4.54 – 4.49 (m , 1H, CH(2)), 1.86 (m , 1H, CH(9)), 0.94 (d , $^3J = 6.9$ Hz, 3H, CH₃), 0.92 (d , $^3J = 6.8$ Hz, 3H, CH₃) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO- d_6): $\delta = 163.9$ (C=O(4)), 148.5 ($C_{\text{quart}}(8a)$), 133.0 (CH(7)), 127.2 (CH(5)), 116.5 (CH(6)), 114.7 ($C_{\text{quart}}(4a)$), 114.1 (CH(8)), 69.2 (CH(2)), 32.7 (CH(9)), 16.9 (CH₃), 16.6 (CH₃) ppm; MS: (EI, 70 eV) m/z (%) = 147 (100), 92 (11), 65 (8).



2-(4-Isopropylphenyl)-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO- d_6): $\delta = 8.21$ (s, 1H, NH(3)), 7.61 (dd , 1H, $^3J = 7.8$ Hz, $^4J = 1.6$ Hz, 1H, CH(5)), 7.46 – 7.37 (m , 2H, CH(10 + 14)), 7.32 – 7.18 (m , 3H, CH(11 + 13 + 7)),



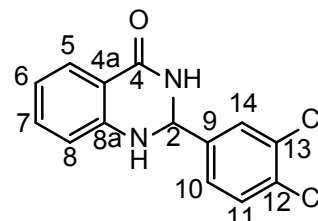
7.05 (s, 1H, NH(1)), 6.79 – 6.70 (*m*, 1H, CH(8)), 6.71 – 6.63 (*m*, 1H, CH(6)), 5.76 – 5.67 (*m*, 1H, CH(2)), 2.88 (*h*, 1H, $^3J = 6.9$ Hz, CH(15)), 1.19 (*d*, 6H, $^3J = 6.9$ Hz, CH₃) ppm; $^{13}\text{C-NMR}$ (75 MHz, DMSO-*d*₆): $\delta = 163.7$ (C=O(7)), 148.8 (C_{quart}(12)), 148.0 (C_{quart}(9)), 139.0 (C_{quart}(8a)), 133.3 (CH(7)), 127.4 (CH(5)), 127.0 (CH(11 + 13)), 126.3 (CH(10 + 14)), 117.1 (CH(6)), 115.0 (C_{quart}(4a)), 114.4 (CH(8)), 66.6 (CH(2)), 33.26 (CH(15)), 23.9 (CH₃) ppm; MS: (EI, 70 eV) *m/z* (%) = 266 ([M]⁺, 28), 265 (53), 249 (13), 148 (12), 147 (100), 120 (46), 119 (13), 92 (27), 91 (10), 77 (12), 65 (12).

Crystal data and structure refinement for 2-(4-isopropylphenyl)-2,3-dihydroquinazolin-4(1H)-one

Empirical formula	C ₁₇ H ₁₈ N ₂ O
Formula weight	266.33
Temperature	150(2) K
Wavelength	1.54178 Å
Crystal system	monoclinic
Space group (H.M.)	<i>P</i> 2 ₁ / <i>c</i>
Unit cell dimensions	<i>a</i> = 13.7868(3) Å $\alpha = 90.00^\circ$ <i>b</i> = 9.5016(2) Å $\beta = 104.522(1)^\circ$ <i>c</i> = 10.9971(3) Å $\gamma = 90.00^\circ$
Volume	1394.56(6) Å ³
Z	4
Density (calculated)	1.269 Mg/m ³
Absorption coefficient	0.628 mm ⁻¹
F(000)	568
Crystal size	0.44 x 0.42 x 0.08 mm ³
θ range for data collection	3.31 to 63.68°
Index ranges	-16 ≤ <i>h</i> ≤ 14, -6 ≤ <i>k</i> ≤ 11, -12 ≤ <i>l</i> ≤ 12
Reflections collected	9161
Independent reflections	2282 [R(int) = 0.0225]
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	1.000 and 0.903
Refinement method	Full-matrix least squares on F ²
Data / restraints / parameters	2282 / 0 / 191
Goodness-of-fit on F ²	1.042
Final R indices [I > 2σ(I)]	R1 = 0.0329, wR2 = 0.0857
R indices (all data)	R1 = 0.0349, wR2 = 0.0878

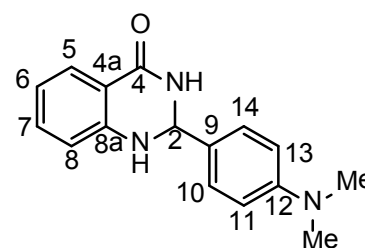
2-(3,4-Dichlorophenyl)-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO-*d*₆): $\delta = 8.42$ (s, 1H, NH(3)), 7.72 (*d*, 1H, $^4J = 2.0$ Hz, CH(14)), 7.66 (*d*, 1H, $^3J = 8.3$ Hz, CH(11)), 7.61 (*dd*, 1H, $^3J = 7.7$ Hz, $^4J = 1.6$ Hz, CH(5)), 7.47 (*dd*, 1H, $^3J = 8.3$ Hz, $^4J = 2.1$ Hz, CH(7)), 7.29 – 7.22 (*m*, 2H, NH(1) + CH(10)), 6.79 – 6.74 (*m*, 1H, CH(8)), 6.72 – 6.65 (*m*, 1H, CH(6)), 5.80 (*dd*, 1H, $^3J = 2.3$ Hz, $^3J = 2.3$ Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO-*d*₆): $\delta = 163.4$ (C=O(4)), 147.3 C_{quart}(8a), 143.0 (C_{quart}(9)), 133.5 (CH(7)), 130.9 (C_{quart}(13)), 130.8 (C_{quart}(12)), 130.6 (CH(11)), 128.9 (CH(5)), 127.4 (CH(14)), 127.0 (CH(10)), 117.5 (CH(6)), 114.9 (C_{quart}(4a)), 114.5 (CH(8)), 65.0 (CH(2)) ppm; MS: (EI, 70 eV) *m/z* (%) = 294 (10), 293 (12), 292 ([M]⁺, 15), 291 (16), 148 (10), 147 (100), 120 (44), 119 (21), 92 (30), 65 (12).



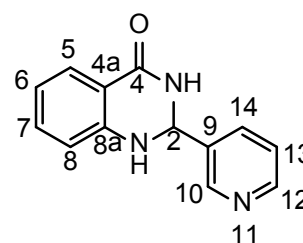
2-(4-(Dimethylamino)phenyl)-2,3-dihydroquinazolin-4(1H)-one

$^1\text{H-NMR}$ (400 MHz, DMSO-*d*₆): $\delta = 8.07$ (s, 1H, NH(3)), 7.61 (*dd*, $^3J = 7.7$ Hz, $^4J = 1.6$ Hz, 1H, CH(5)), 7.33 – 7.27 (*m*, 2H, CH(10 + 14)), 7.22 (*ddd*, 1H, $^3J = 7.9$ Hz, $^3J = 7.1$ Hz, $^4J = 1.6$ Hz, CH(7)), 6.91 (s, 1H, NH(1)), 6.75 – 6.69 (*m*, 3H, CH(8 + 11 + 13)), 6.69 – 6.63 (*m*, 1H, CH(6)), 5.65 – 5.62 (*m*, 1H, CH(2)), 3.34 (s, 6H, CH₃) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO-*d*₆): $\delta = 163.8$ (C=O(4)), 150.7 (C_{quart}(9)), 148.2 (C_{quart}(8a)), 133.1 (CH(7)), 128.7 (CH(5)), 127.7 (C_{quart}(12)), 127.3 (CH(10 + 14)), 116.9 (CH(6)), 115.0 (C_{quart}(4a)), 114.4 (CH(8)), 111.9 (CH(11 + 13)), 66.6 (CH(2)), 40.16 (CH₃) ppm; MS: (EI, 70 eV) *m/z* (%) = 266 ([M-H]⁺, 18), 265 (100), 264 (45), 146 (21), 145 (18), 119 (18).



2-(Pyridin-3-yl)-2,3-dihydroquinazolin-4(1H)-one

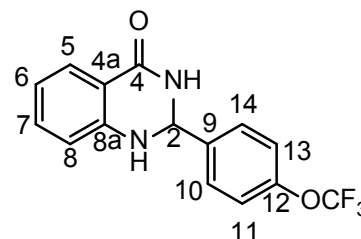
$^1\text{H-NMR}$ (300 MHz, DMSO-*d*₆): $\delta = 8.66$ (*d*, 1H, $^4J = 2.3$ Hz, CH(10)), 8.55 (*dd*, $^3J = 4.8$ Hz, $^4J = 1.7$ Hz, CH(12)), 8.40 (s, 1H, NH(3)), 7.89 (*dd*, $^3J = 8.0$ Hz, $^4J = 2.0$ Hz, CH(14)), 7.63 (*dd*, 1H, $^3J = 7.8$ Hz, $^4J = 1.6$ Hz, CH(5)), 7.43 (*ddd*, 1H, $^3J = 8.0$ Hz, $^3J = 4.8$ Hz, $^4J = 0.9$ Hz, CH(13)), 7.27 (*ddd*, 1H, $^3J = 8.5$ Hz, $^3J = 7.2$ Hz, $^4J = 1.6$ Hz, CH(7)), 7.18 (s, 1H, NH(1)), 6.84 – 6.66 (*m*, 2H, CH(8 + 6)), 5.85 (*dd*, 1H, $^3J = 1.8$ Hz, $^3J = 1.8$ Hz, CH(2)) ppm; $^{13}\text{C-NMR}$ (101 MHz, DMSO-*d*₆): $\delta = 163.6$ (C=O(4)), 149.7 (CH(10)), 148.4 (CH(12)), 147.7 (C_{quart}(8a)),



136.8 CH(14)), 134.7 (C_{quart}(9)), 133.6 (CH(7)), 127.4 (CH(5)), 123.6 (CH(13)), 117.6 (CH(6)), 115.0 (C_{quart}(4a)), 114.6 (CH(4)), 64.7 (CH(2)) ppm; MS: (EI, 70 eV) m/z (%) = 225 ([M]⁺, 15), 242 (12), 148 (11), 147 (100), 120 (35), 119 (19), 92 (31), 65 (14), 64 (11), 63 (11), 51 (18).

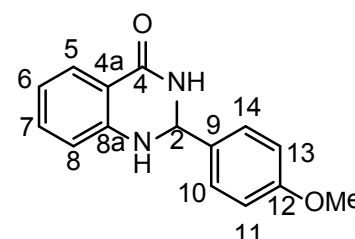
2-(4-(Trifluoromethoxy)phenyl)-2,3-dihydroquinazolin-4(1H)-one

¹H-NMR (300 MHz, DMSO-*d*₆): δ = 8.37 (s, 1H, NH(3)), 7.68 – 7.60 (*m*, 3H, CH(5 + 10 + 14)), 7.40 (*ddd*, 2H, ³*J* = 7.8 Hz, ³*J* = 2.1 Hz, ⁵*J* = 1.1 Hz, CH(11 + 13)), 7.26 (*ddd*, 1H, ³*J* = 8.1 Hz, ³*J* = 7.2 Hz, ⁴*J* = 1.6 Hz, CH(7)), 7.18 (s, 1H, NH(1)), 6.77 (*dd*, 1H, ³*J* = 8.2 Hz, ⁴*J* = 1.0 Hz, CH(8)), 6.74 – 6.66 (*m*, 1H, CH(6)), 5.83 (*dd*, 1H, ³*J* = 1.9 Hz, ³*J* = 1.9 Hz, CH(2)) ppm; ¹³C-NMR (75 MHz, DMSO-*d*₆): δ = 163.6 (C=O(4)), 148.4 (*d*, ³*J* = 1.7 Hz, C_{quart}(12)), 147.7 (C_{quart}(8a)), 141.0 (C_{quart}(9)), 133.5 (CH(7)), 129.0 (CH(10 + 14)), 127.4 (CH(5)), 121.02 (CH(11 + 13)), 120.11 (*q*, ³*J* = 256.3 Hz, OCF₃), 117.4 (CH(6)), 114.9 (C_{quart}(4a)), 114.5 (CH(8)), 65.9 (CH(2)) ppm; ¹⁹F-NMR (282 MHz, DMSO-*d*₆): δ = -56.47 (s, OCF₃) ppm; MS: (EI, 70 eV) m/z (%) = 308 ([M]⁺, 32), 307 (45), 188 (10), 148 (10), 147 (100), 120 (63), 119 (27), 95 (10), 92 (44), 91 (10), 69 (24), 65 (20), 64 (16), 63 (15).



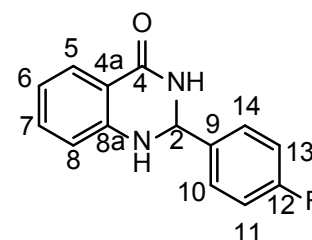
2-(4-Methoxyphenyl)-2,3-dihydroquinazolin-4(1H)-one

¹H-NMR (300 MHz, DMSO-*d*₆): δ = 8.21 (s, 1H, NH(3)), 7.62 (*dd*, 1H, ³*J* = 7.8 Hz, ⁴*J* = 1.6 Hz, CH(5)), 7.48 – 7.38 (*m*, 2H, CH(10 + 14)), 7.24 (*ddd*, 1H, ³*J* = 8.1 Hz, ³*J* = 7.2 Hz, ⁴*J* = 1.6 Hz, CH(7)), 7.05 (s, 1H, NH(1)), 6.99 – 6.90 (*m*, 2H, CH(11 + 13)), 6.75 (*ddd*, 1H, ³*J* = 8.2 Hz, ⁴*J* = 1.1, ⁵*J* = 0.5 Hz, CH(8)), 6.68 (*ddd*, 1H, ³*J* = 7.7 Hz, ³*J* = 7.2 Hz, ⁴*J* = 1.1 Hz, CH(6)), 5.72 (*dd*, 1H, ³*J* = 1.7 Hz, ³*J* = 1.7 Hz, CH(2)), 3.74 (s, 3H, CH₃) ppm; ¹³C-NMR (101 MHz, DMSO-*d*₆): δ = 163.7 (C=O(4)), 159.4 (C_{quart}(12)), 148.0 (C_{quart}(8a)), 133.5 (CH(7)), 133.3 (C_{quart}(9)), 128.2 (CH(10 + 14)), 127.4 (CH(5)), 117.1 (CH(6)), 115.0 (C_{quart}(4a)), 114.4 (CH(8)), 113.6 (CH(11 + 13)), 66.3 (CH(2)), 55.2 (OMe) ppm; MS: (EI, 70 eV) m/z (%) = 254 ([M]⁺, 50), 253 (100), 252 (16), 147 (70), 134 (13), 120 (75), 119 (31), 92 (49), 91 (17), 77 (16), 65 (21), 64 (20), 63 (17).



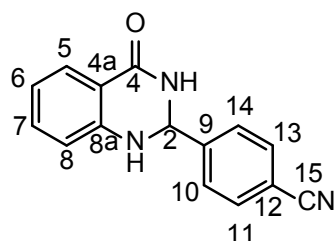
2-(4-Fluorophenyl)-2,3-dihydroquinazolin-4(1H)-one

¹H-NMR (400 MHz, DMSO-*d*₆): δ = 8.31 (s, 1H, NH(3)), 7.63 (*dd*, 1H, ³*J* = 7.8 Hz, ⁴*J* = 1.6 Hz, CH(5)), 7.59 – 7.52 (*m*, 2H, CH(10 + 14)), 7.30 – 7.18 (*m*, 3H, CH(7 + 11 + 13)), 7.12 (s, 1H, NH(1)), 6.77 (*dd*, 1H, ³*J* = 8.2 Hz, ⁴*J* = 1.0 Hz, CH(8)), 6.69 (*ddd*, 1H, ³*J* = 7.5 Hz, ³*J* = 7.4 Hz, ⁴*J* = 1.0 Hz, CH(6)), 5.79 (*dd*, 1H, ³*J* = 1.7 Hz, ³*J* = 1.7 Hz, CH(2)) ppm; ¹³C-NMR (101 MHz, DMSO-*d*₆): δ = 163.6 (C=O(4)), 162.1 (*d*, ¹*J* = 244.1 Hz, C_{quart}(12)), 147.8 (C_{quart}(8a)), 137.8 (*d*, ⁴*J* = 2.9 Hz, C_{quart}(9)), 133.4 (CH(7)), 129.1 (*d*, ³*J* = 8.3 Hz, CH(10 + 14)), 127.4 (CH(5)), 117.3 (CH(6)), 115.1 (*d*, ²*J* = 21.5 Hz, CH(11 + 13)), 115.0 (C_{quart}(4a)), 114.5 (CH(8)), 66.0 (CH(2)) ppm; ¹⁹F-NMR (282 MHz, DMSO-*d*₆): δ = -112.44 – -114.78 (*m*, CF) ppm; MS: (EI, 70 eV) m/z (%) = 242 ([M]⁺, 32), 241 (45), 148 (10), 147 (100), 122 (11), 120 (76), 119 (23), 95 (12), 92 (40), 65 (17), 64 (11).



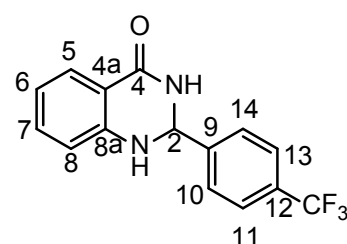
2-(4-cyanophenyl)-2,3-dihydroquinazolin-4(1H)-one

¹H-NMR (300 MHz, DMSO-*d*₆): δ = 8.49 – 8.44 (*m*, 1H, NH(3)), 7.90 – 7.82 (*m*, 2H,), 7.68 – 7.63 (*m*, 2H), 7.60 (*dd*, 1H, ³*J* = 7.7 Hz, ⁴*J* = 1.6 Hz, CH(5)), 7.33 – 7.20 (*m*, 2H, CH(7) + NH(1)), 6.75 (*dd*, 1H, ³*J* = 8.1 Hz, ⁴*J* = 1.1 Hz, CH(8)), 6.68 (*ddd*, 1H, ³*J* = 7.5 Hz, ³*J* = 7.5 Hz, ⁴*J* = 1.1 Hz, CH(6)), 5.84 (*dd*, 1H, ³*J* = 2.4 Hz, ³*J* = 2.4 Hz, CH(2)); ¹³C-NMR (75 MHz, DMSO): δ = 163.3 (C=O(4)), 147.4 (C_{quart}(9)), 147.3 (C_{quart}(8a)), 133.6 (CH(7)), 132.4 (CH(10 + 14)), 127.7 (11 + 13), 127.4 (CH(5)), 118.7 (CN(15)), 117.4 (CH(6)), 114.9 (C_{quart}(4a)), 114.5 (CH(8)), 111.1 (C_{quart}(12)), 65.5 (CH(2)); MS: (EI, 70 eV) m/z (%) = 249 ([M]⁺, 18), 248 (18), 148 (10), 147 (100), 120 (40), 119 (20), 102 (10), 92 (25), 65 (10).



2-(4-(Trifluoromethyl)phenyl)-2,3-dihydroquinazolin-4(1H)-one

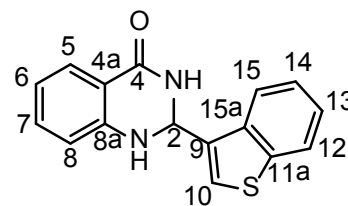
¹H-NMR (400 MHz, DMSO-*d*₆): δ = 8.44 (*m*, 1H, NH(3)), 7.77 (*d*, 2H, ³*J* = 8.3 Hz, CH(11 + 13)), 7.71 (*d*, 1H, ³*J* = 8.2 Hz, CH(10 + 14)), 7.62 (*dd*, 1H, ³*J* = 7.8 Hz, ⁴*J* = 1.6 Hz, CH(5)), 7.31 – 7.20 (*m*, 2H, CH(7) + NH(1)), 6.76 (*dd*, 1H, ³*J* = 8.2 Hz, ⁴*J* = 1.0 Hz, CH(8)), 6.69 (*ddd*, 1H, ³*J* = 8.1 Hz, ³*J* = 7.3 Hz, ⁴*J* = 1.1 Hz, CH(6)), 5.87 (*dd*, 1H, ³*J* = 2.2 Hz, ³*J* = 2.2 Hz, CH(2)) ppm; ¹³C-NMR (101 MHz, DMSO-*d*₆): δ = 163.4 (C=O(4)), 147.5 (C_{quart}(8a)), 146.4 (C_{quart}(9)), 133.5 (CH(7)), 128.9 (*q*, ²*J* = 31.6 Hz, CH(12)), 127.7 (CH(10 + 14)), 127.4 (CH(5)), 125.31 (*q*, ³*J* = 3.7 Hz, CH(11 + 13)), 124.16 (*q*, ¹*J* = 272.2 Hz, CF₃), 117.4 (CH(6)), 114.9 (CH(4a)), 114.5 (CH(8)), 65.7 (CH(2)) ppm; ¹⁹F-NMR (282 MHz, DMSO-*d*₆): δ = -60.59 (CF₃) ppm; MS: (EI, 70 eV) m/z (%) = 292 ([M]⁺, 23), 291 (24), 148 (10), 147 (100),



120 (43), 119 (20), 92 (27), 65 (10).

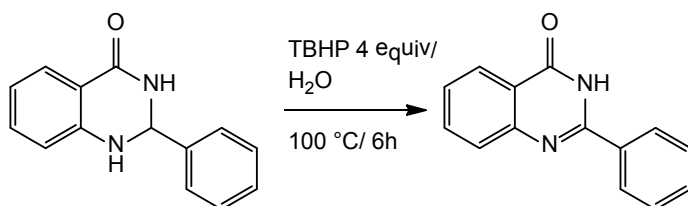
2-(Benzo[*b*]thiophen-3-yl)-2,3-dihydroquinazolin-4(1*H*)-one

¹H-NMR (400 MHz, DMSO-*d*₆): δ = 8.35 (s, 1H, NH(3)), 8.21 – 8.14 (*m*, 1H, CH(12)), 8.05 – 7.96 (*m*, 1H, CH(15)), 7.77 (s, 1H, CH(10)), 7.67 (*dd*, 1H, ³*J* = 7.8 Hz, ⁴*J* = 1.6 Hz, (CH(5)), 7.46 – 7.36 (*m*, 2H, CH(13 + 14)), 7.26 (*ddd*, 1H, ³*J* = 8.3 Hz, ³*J* = 7.2 Hz, ⁴*J* = 1.6 Hz, (CH(7)), 7.14 (s, 1H, NH(1)), 6.77 (*dd*, 1H, ³*J* = 8.2 Hz, ⁴*J* = 1.0 Hz, CH(8)), 6.72 (*ddd*, 1H, ³*J* = 7.5 Hz, ⁴*J* = 1.0 Hz, CH(6)), 6.20 (*dd*, 1H, ³*J* = 1.5 Hz, CH(2)) ppm; ¹³C-NMR (101 MHz, DMSO): δ = 163.9 (C=O), 148.1 (C_{quart}(8a)), 140.3 (C_{quart}(9)), 136.8 (C_{quart}(11a)), 135.4 (C_{quart}(15a)), 133.3 (CH(7)), 127.5 (CH(5)), 126.6 (CH(13)), 124.6 (CH(14)), 124.0 CH(15)), 123.5 (CH(10)), 123.0 (CH(12)), 117.3 CH(6)), 115.1 (C_{quart}(4a)), 114.5 (CH(8)), 62.6 (CH(2)) ppm; MS: (EI, 70 eV) *m/z* (%) = 281 (16), 280 ([M]⁺, 74), 279 100, 160 (16), 147 (51), 134 (17), 120 (94), 119 (20), 92 (39), 89 (20), 95 (15), 63 (10).

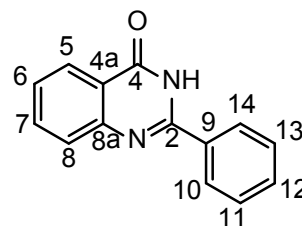


2-phenyl-quinazolinone

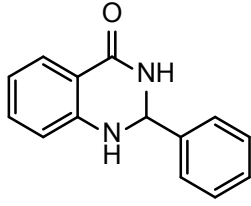
Experimental procedure:



¹H-NMR (300 MHz, DMSO-*d*₆): δ = 12.55 (s, 1H, NH), 8.23 – 8.13 (*m*, 3H, CH(7 + 10 + 14)), 7.85 (*ddd*, ³*J* = 8.5 Hz, ³*J* = 7.0 Hz, ³*J* = 1.6 Hz, CH(5)), 7.77 – 7.71 (*m*, 1H, CH(12)), 7.62 – 7.49 (*m*, 4H, CH(4 + 6 + 11 + 13)) ppm; ¹³C-NMR (75 MHz, DMSO-*d*₆): δ = 162.3 (C=O(4)), 152.4 (C_{quart}(2)), 148.7 (C_{quart}(8a)), 134.6 (CH(7)), 132.8 (C_{quart}(9)), 131.4 (CH(12)), 128.6 (CH(10 + 14)), 127.8 (CH(11 + 13)), 127.4 CH(6), 126.6 (CH(7)), 125.8 (CH(5)), 121.0 (C_{quart}(4a)) ppm; MS (EI, 70 eV): *m/z* (%) = 222 ([M]⁺, 100), 119 (99), 104 (11), 92 (14), 90 (17), 77 (22), 76 (11), 51 (10).



Parameter	Value
1 Title	131018.205.10.fid
2 Comment	Oschatz SO-46 1H DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.2
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	16
10 Receiver Gain	362
11 Relaxation Delay	1.0000
12 Pulse Width	10.0000
13 Acquisition Time	6.3439
14 Acquisition Date	2013-10-18T22:12:00
15 Modification Date	2013-10-18T22:13:16
16 Spectrometer Frequency	250.13
17 Spectral Width	5165.3
18 Lowest Frequency	-1038.0
19 Nucleus	1H
20 Acquired Size	32768
21 Spectral Size	65536



18000
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
-1000

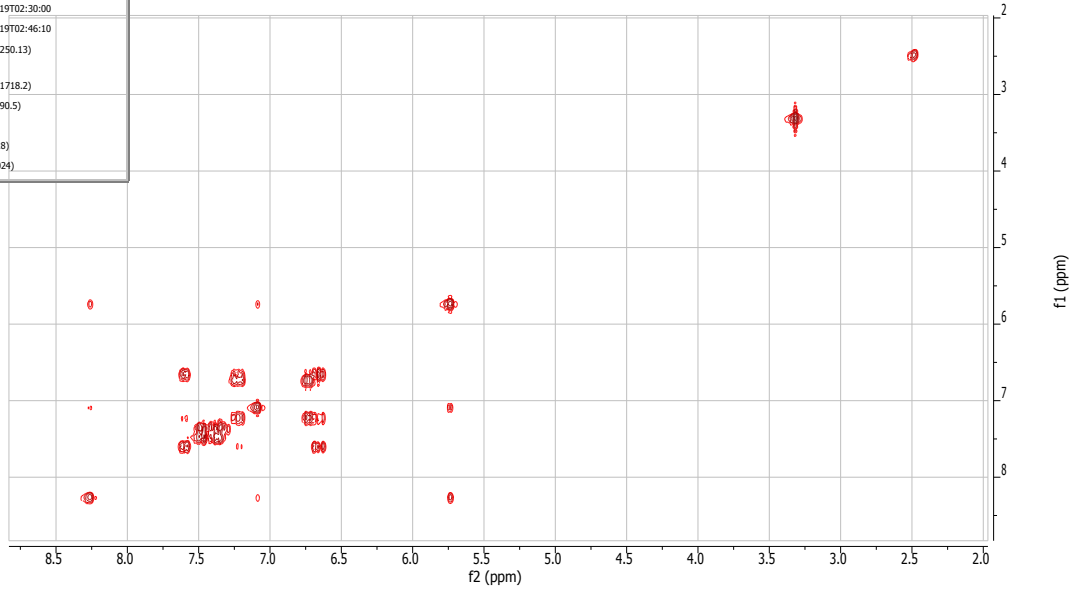
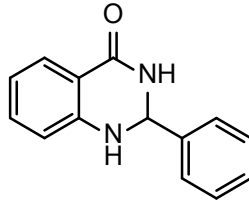
f1 (ppm)

Parameter	Value
1 Title	131018.205.11.fid
2 Comment	Oschatz SO-46 13C DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	3072
10 Receiver Gain	2050
11 Relaxation Delay	2.0000
12 Pulse Width	10.0000
13 Acquisition Time	2.1846
14 Acquisition Date	2013-10-19T01:51:00
15 Modification Date	2013-10-19T01:52:08
16 Spectrometer Frequency	62.90
17 Spectral Width	15000.0
18 Lowest Frequency	-1242.4
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536

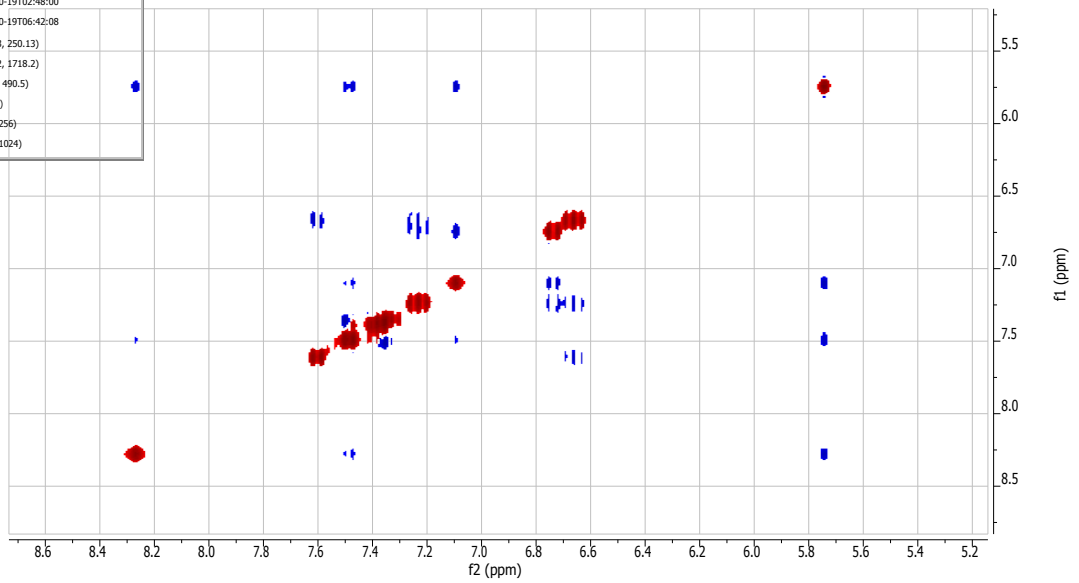
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70000
65000
60000
55000
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
-5000

f1 (ppm)

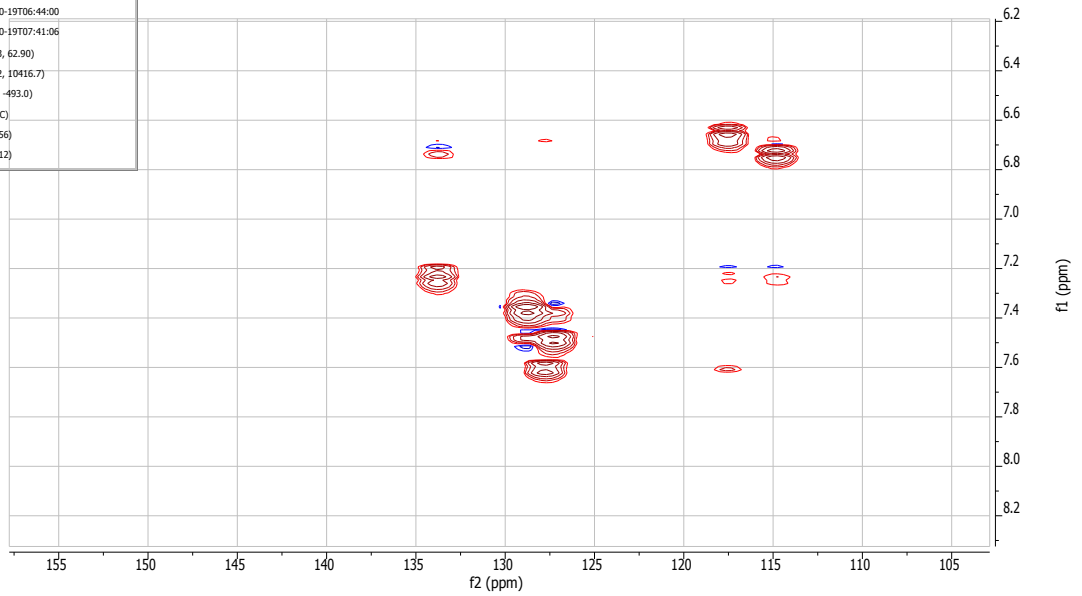
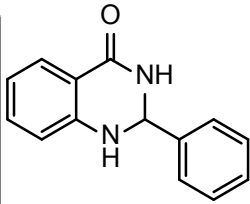
Parameter	Value (f2, f1)
1 Title	131018.205.13.ser
2 Comment	Oschatz SO-46 COSY DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.1
7 Pulse Sequence	cosygpqf
8 Experiment	COSY
9 Number of Scans	4
10 Receiver Gain	203
11 Relaxation Delay	1.1977
12 Pulse Width	10.0000
13 Acquisition Time	0.5960
14 Acquisition Date	2013-10-19T02:30:00
15 Modification Date	2013-10-19T02:46:10
16 Spectrometer Frequency	(250.13, 250.13)
17 Spectral Width	(1718.2, 1718.2)
18 Lowest Frequency	(490.5, 490.5)
19 Nucleus	(1H, 1H)
20 Acquired Size	(1024, 128)
21 Spectral Size	(1024, 1024)



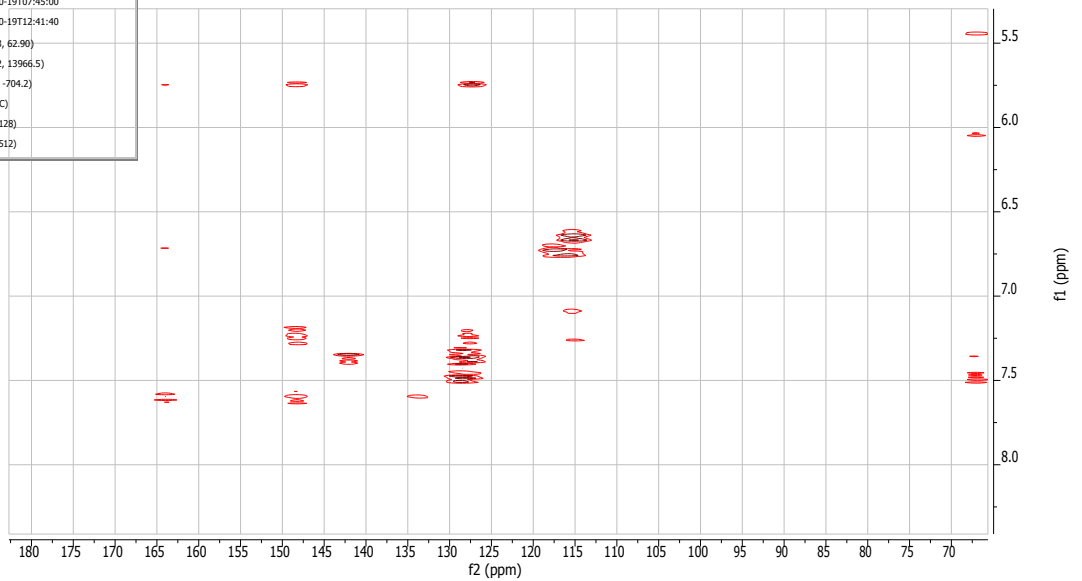
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1 Title	131018.205.14.ser
2 Comment	Oschatz SO-46 NOESY DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.2
7 Pulse Sequence	noesyph
8 Experiment	NOESY
9 Number of Scans	16
10 Receiver Gain	203
11 Relaxation Delay	1.8050
12 Pulse Width	10.0000
13 Acquisition Time	0.5960
14 Acquisition Date	2013-10-19T02:48:00
15 Modification Date	2013-10-19T06:42:08
16 Spectrometer Frequency	(250.13, 250.13)
17 Spectral Width	(1718.2, 1718.2)
18 Lowest Frequency	(490.5, 490.5)
19 Nucleus	(1H, 1H)
20 Acquired Size	(1024, 256)
21 Spectral Size	(1024, 1024)

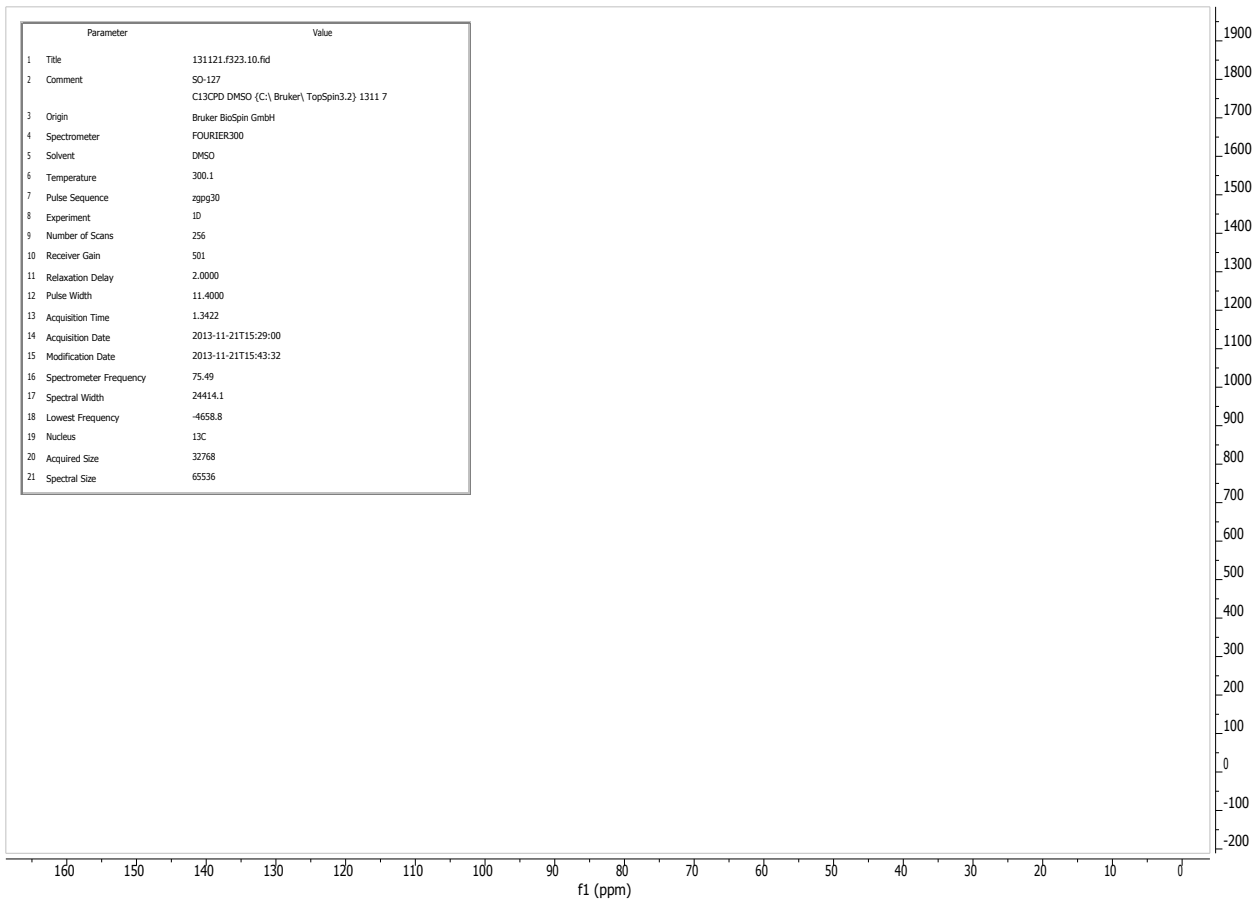
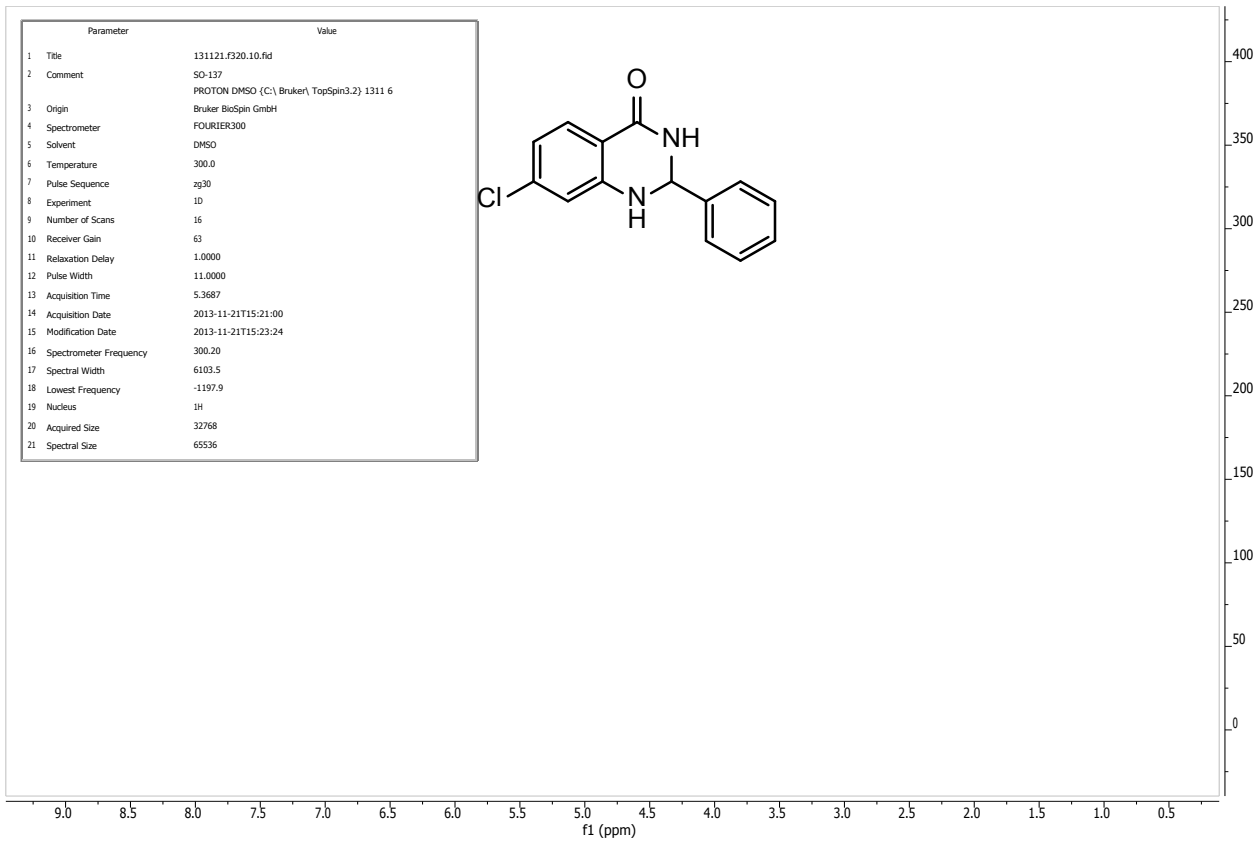


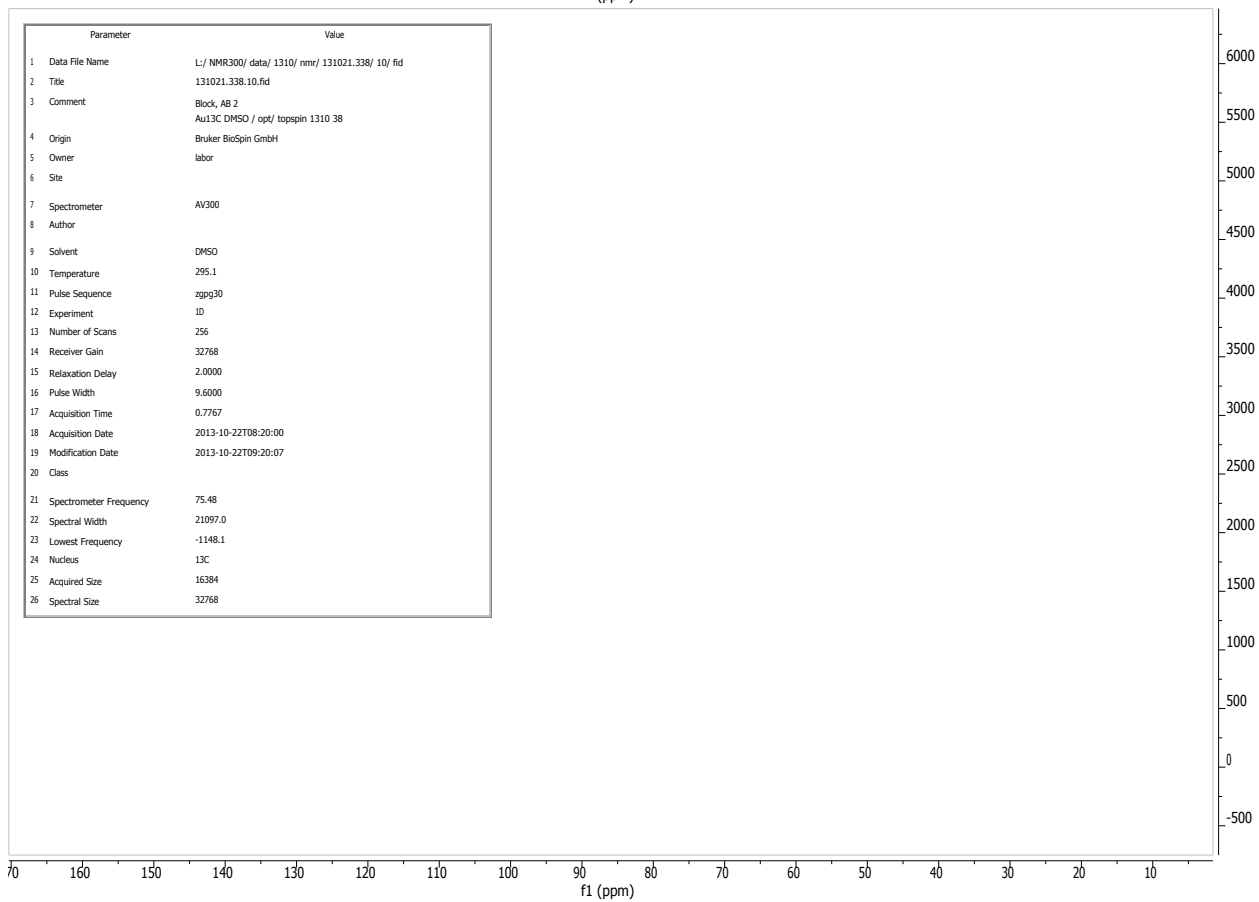
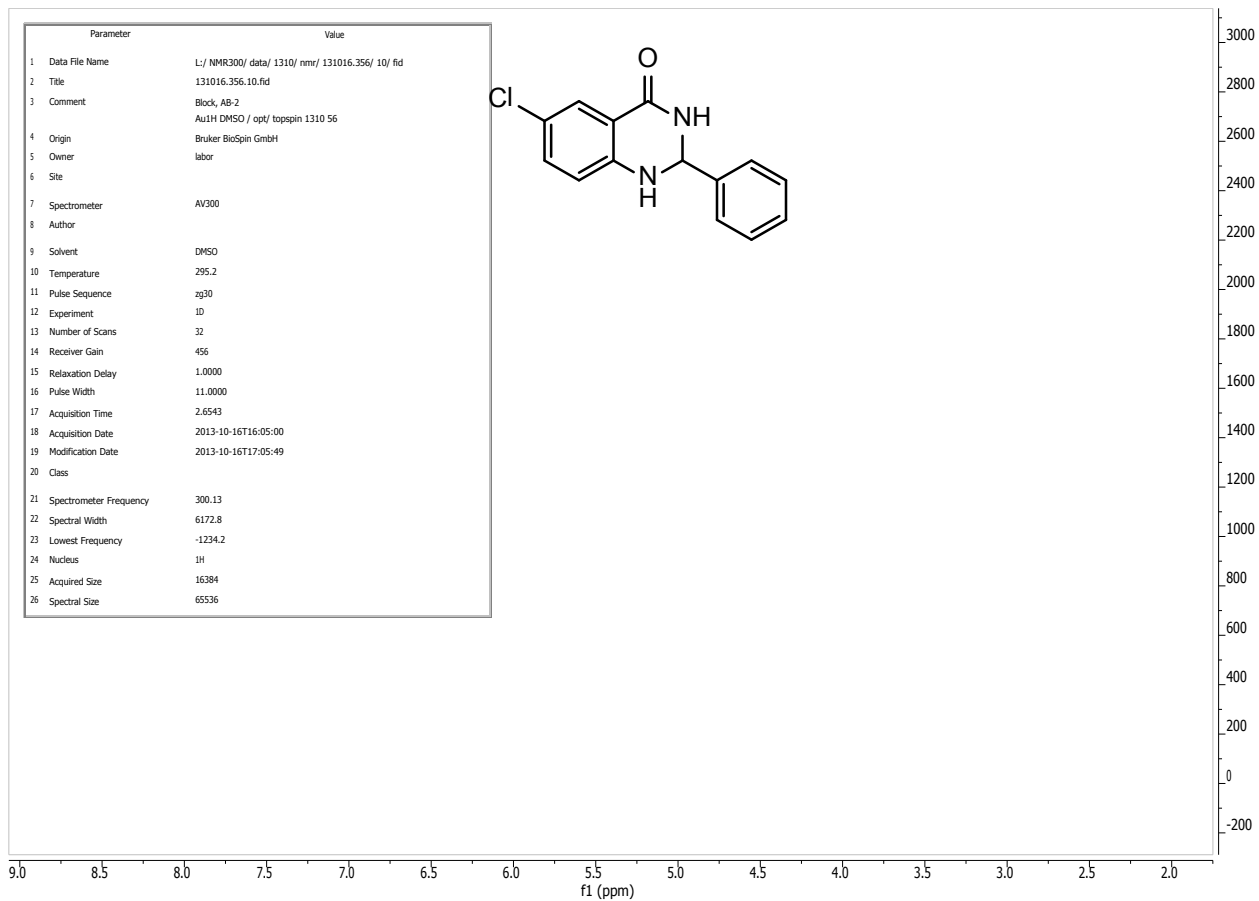
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1 Title	131018.205.15.ser
2 Comment	Oschatz SO-46 HSQC DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.2
7 Pulse Sequence	hsqcetgps2
8 Experiment	HSQC
9 Number of Scans	8
10 Receiver Gain	2050
11 Relaxation Delay	1.3556
12 Pulse Width	10.0000
13 Acquisition Time	0.2980
14 Acquisition Date	2013-10-19T06:44:00
15 Modification Date	2013-10-19T07:41:06
16 Spectrometer Frequency	(250.13, 62.90)
17 Spectral Width	(1718.2, 10416.7)
18 Lowest Frequency	(490.5, -493.0)
19 Nucleus	(1H, 13C)
20 Acquired Size	(512, 256)
21 Spectral Size	(512, 512)

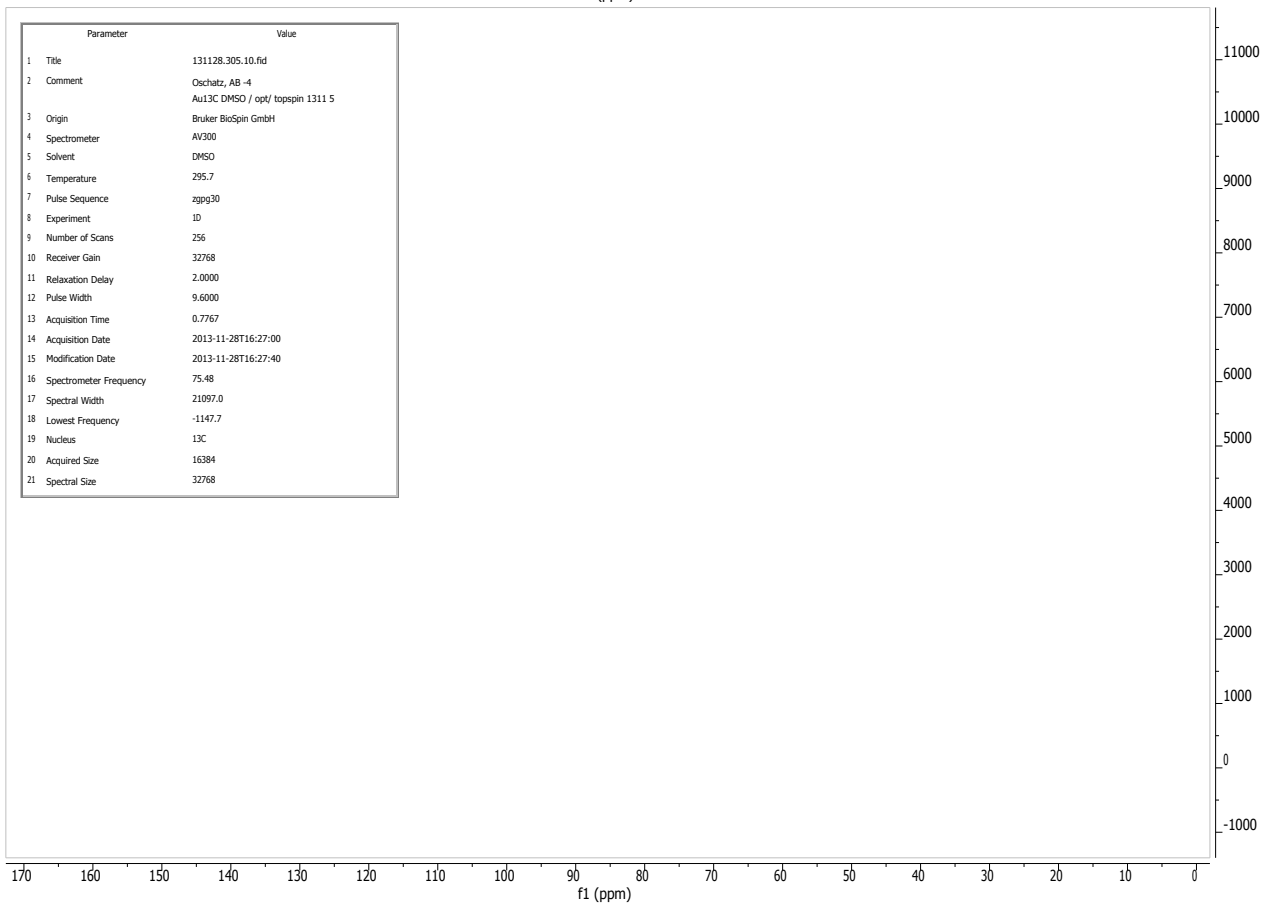
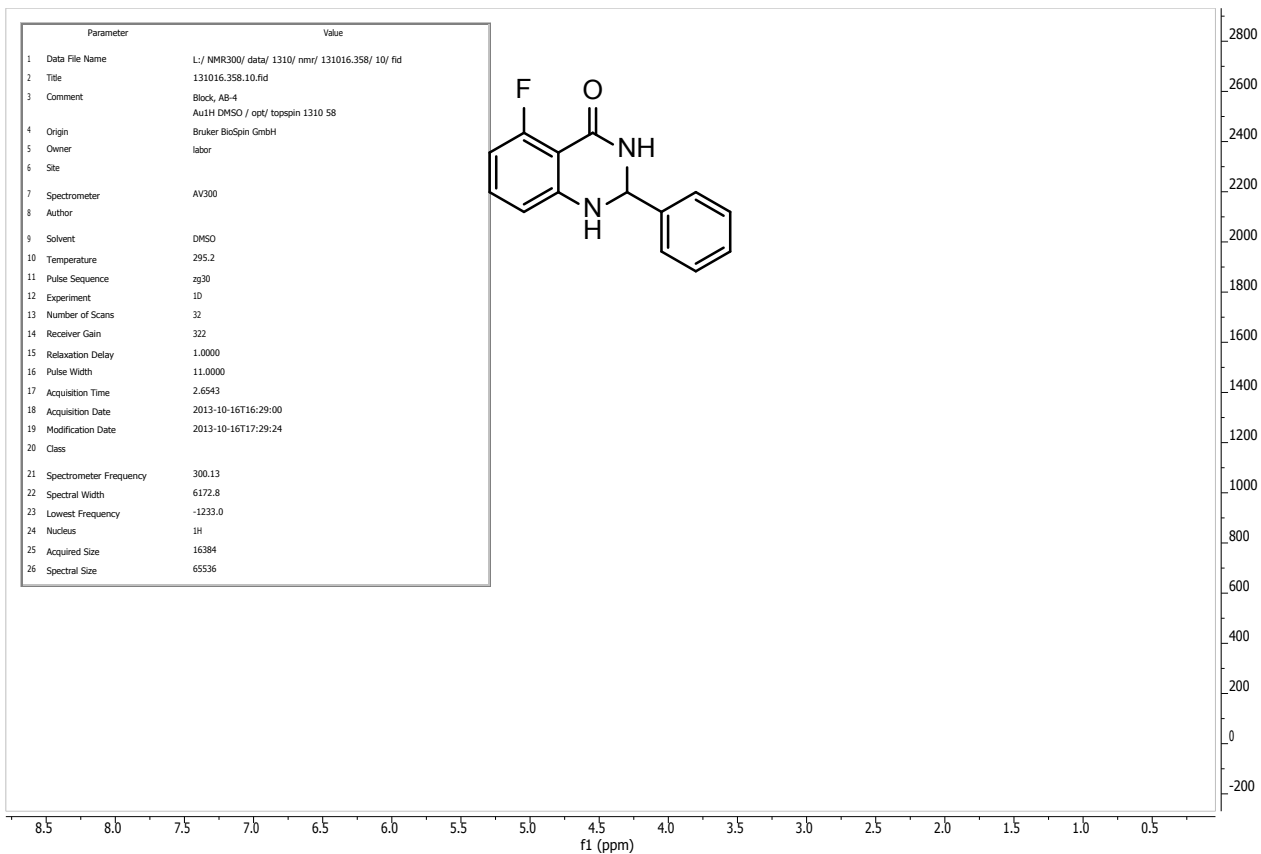


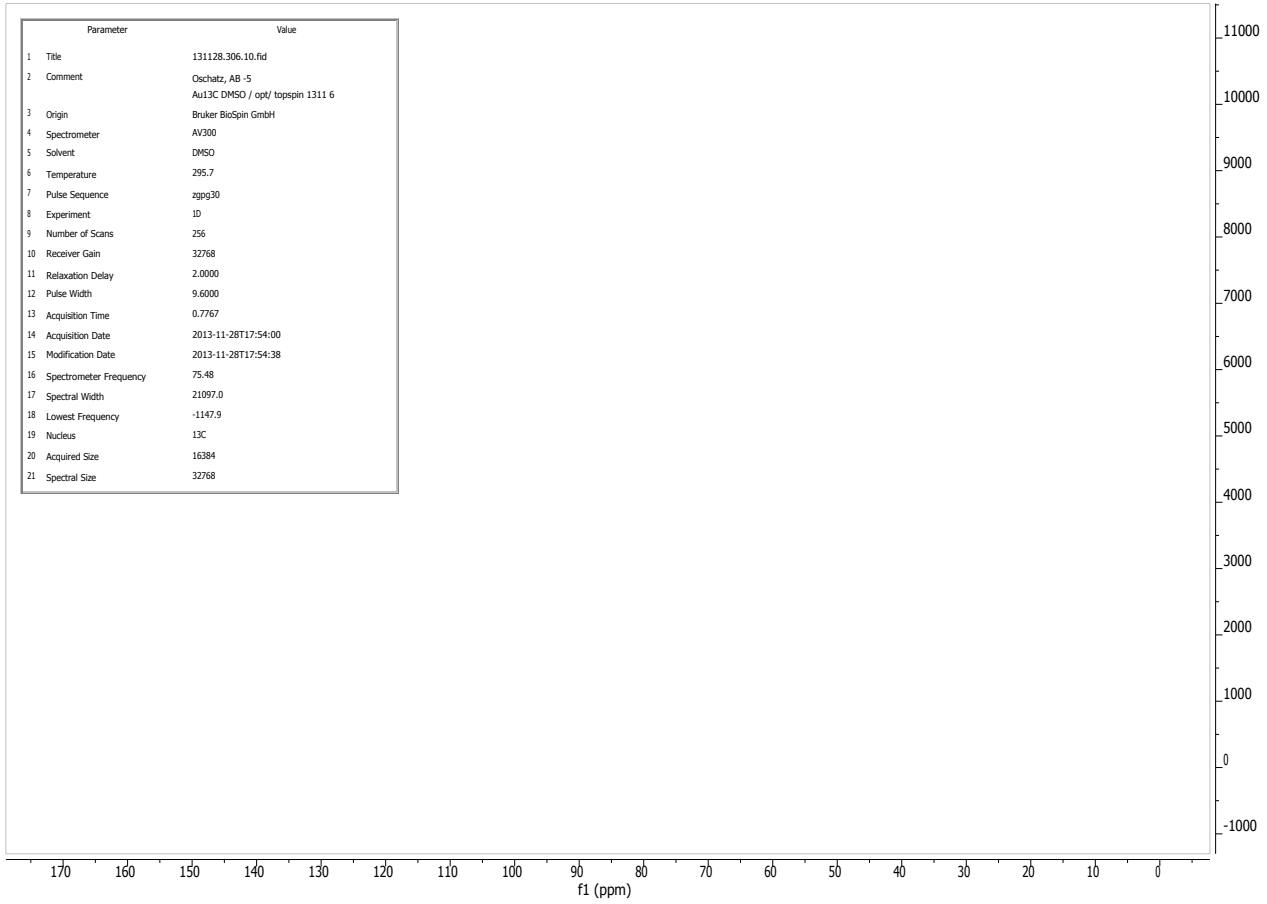
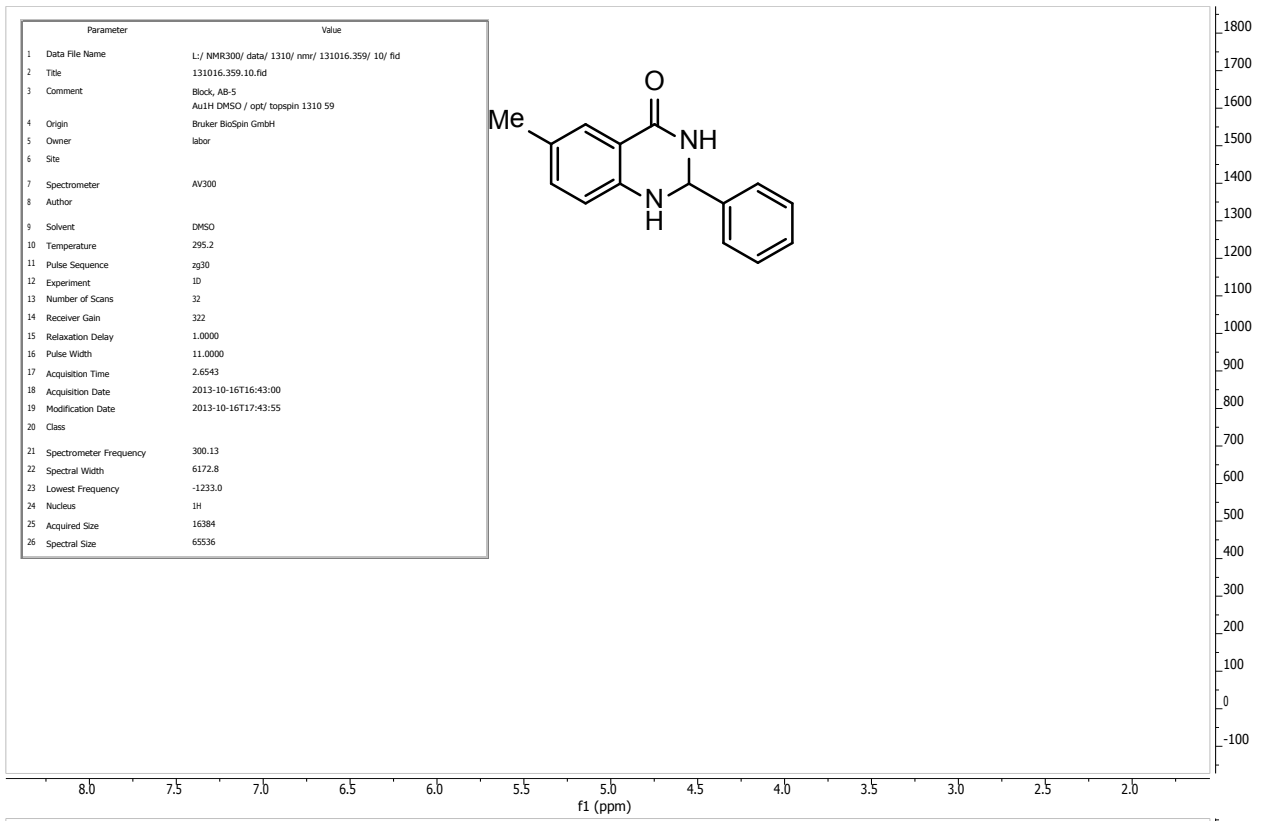
Parameter	Value (f2, f1)
1 Title	131018.205.16.ser
2 Comment	Oschatz SO-46 HMBC DMSO
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	spect
5 Solvent	DMSO
6 Temperature	298.2
7 Pulse Sequence	hmbcrgnddf
8 Experiment	HMBC
9 Number of Scans	64
10 Receiver Gain	2050
11 Relaxation Delay	0.9225
12 Pulse Width	10.0000
13 Acquisition Time	1.1920
14 Acquisition Date	2013-10-19T07:45:00
15 Modification Date	2013-10-19T12:41:40
16 Spectrometer Frequency	(250.13, 62.90)
17 Spectral Width	(1718.2, 13966.5)
18 Lowest Frequency	(490.5, -704.2)
19 Nucleus	(1H, 13C)
20 Acquired Size	(2048, 128)
21 Spectral Size	(2048, 512)



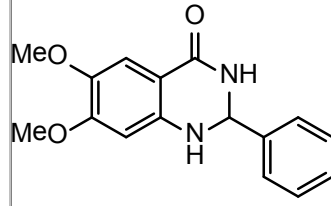








Parameter	Value
1 Title	131119.437.10.fid
2 Comment	Oschatz_AB-8 Au1H DMSO / opt/ topspin 1311 37
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	32
10 Receiver Gain	161
11 Relaxation Delay	1.5000
12 Pulse Width	12.2000
13 Acquisition Time	2.0448
14 Acquisition Date	2013-11-20T02:50:00
15 Modification Date	2013-11-20T02:51:01
16 Spectrometer Frequency	400.13
17 Spectral Width	8012.8
18 Lowest Frequency	-1606.4
19 Nucleus	1H
20 Acquired Size	16384
21 Spectral Size	65536



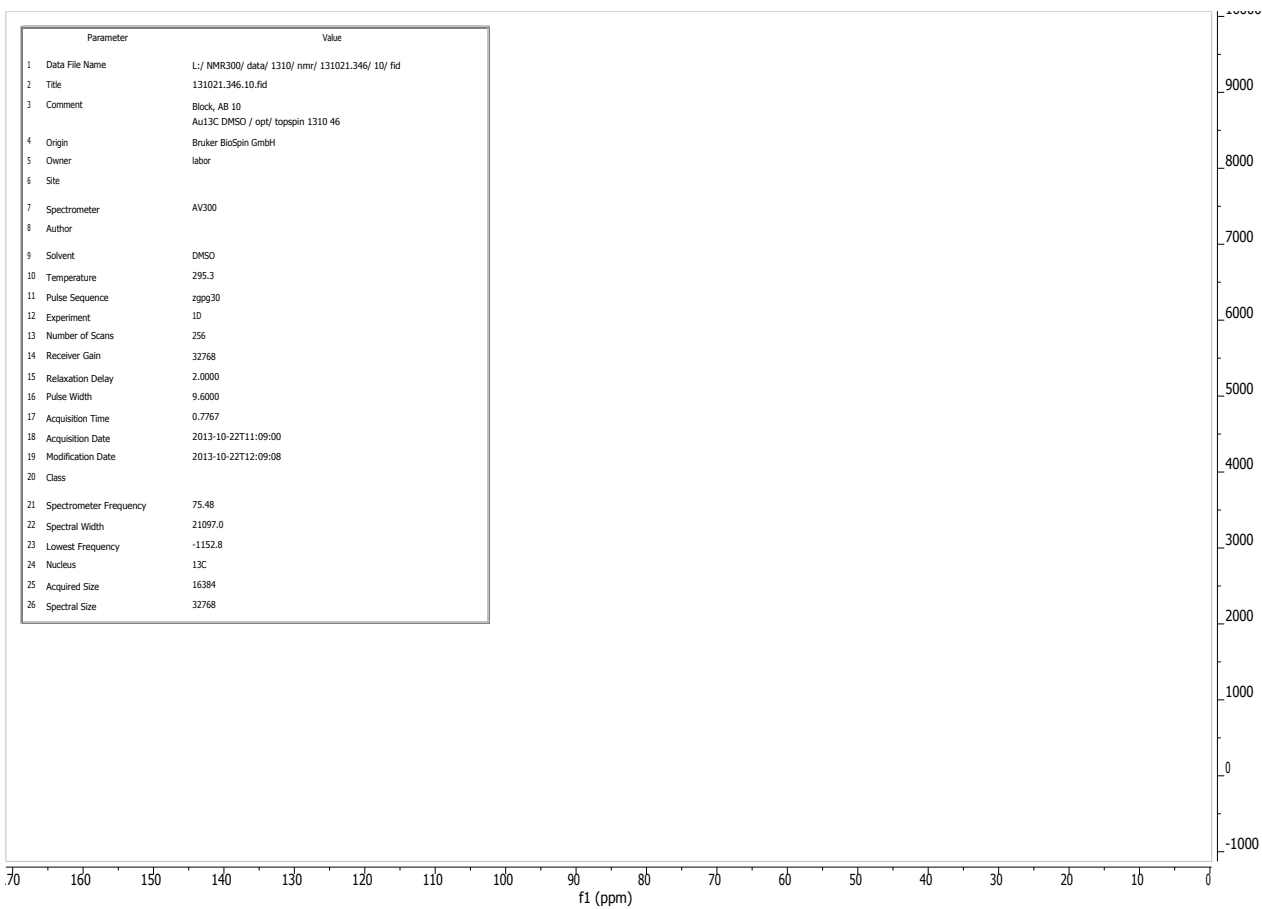
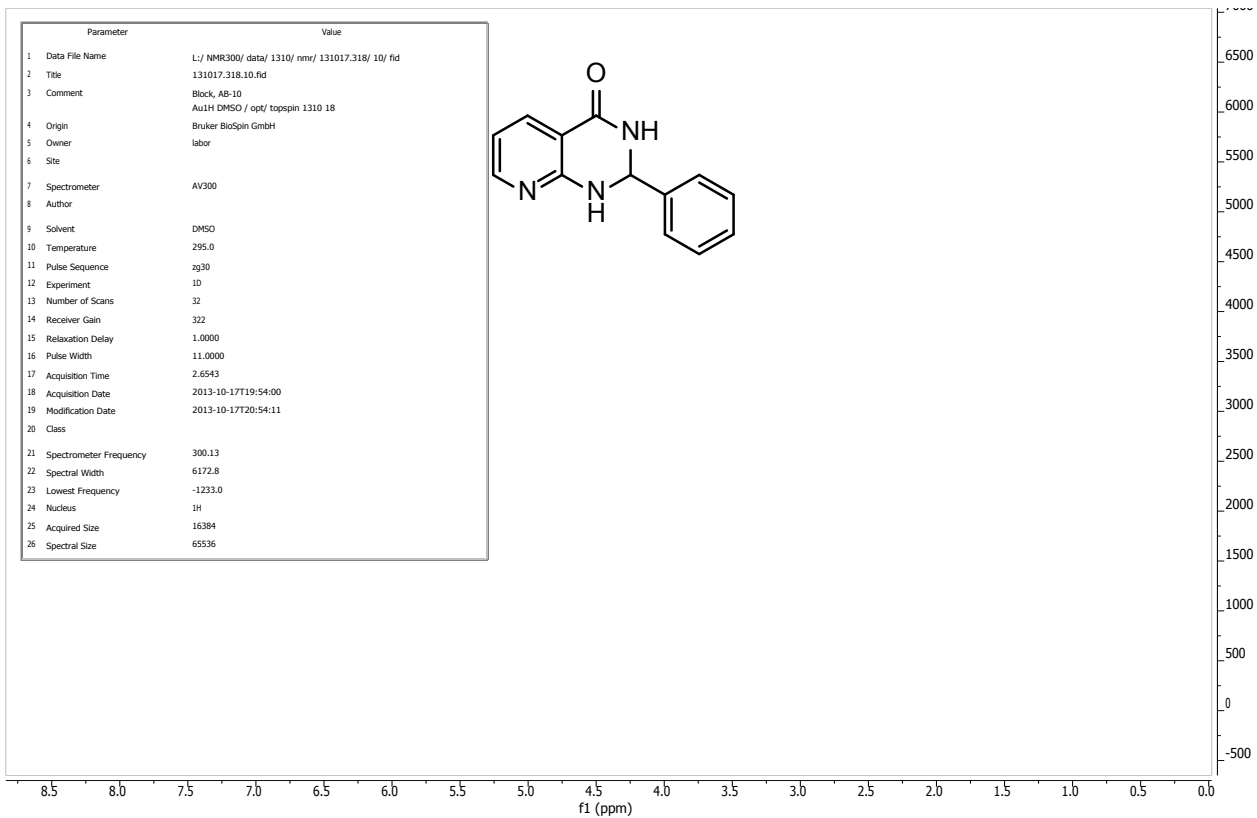
8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
f1 (ppm)

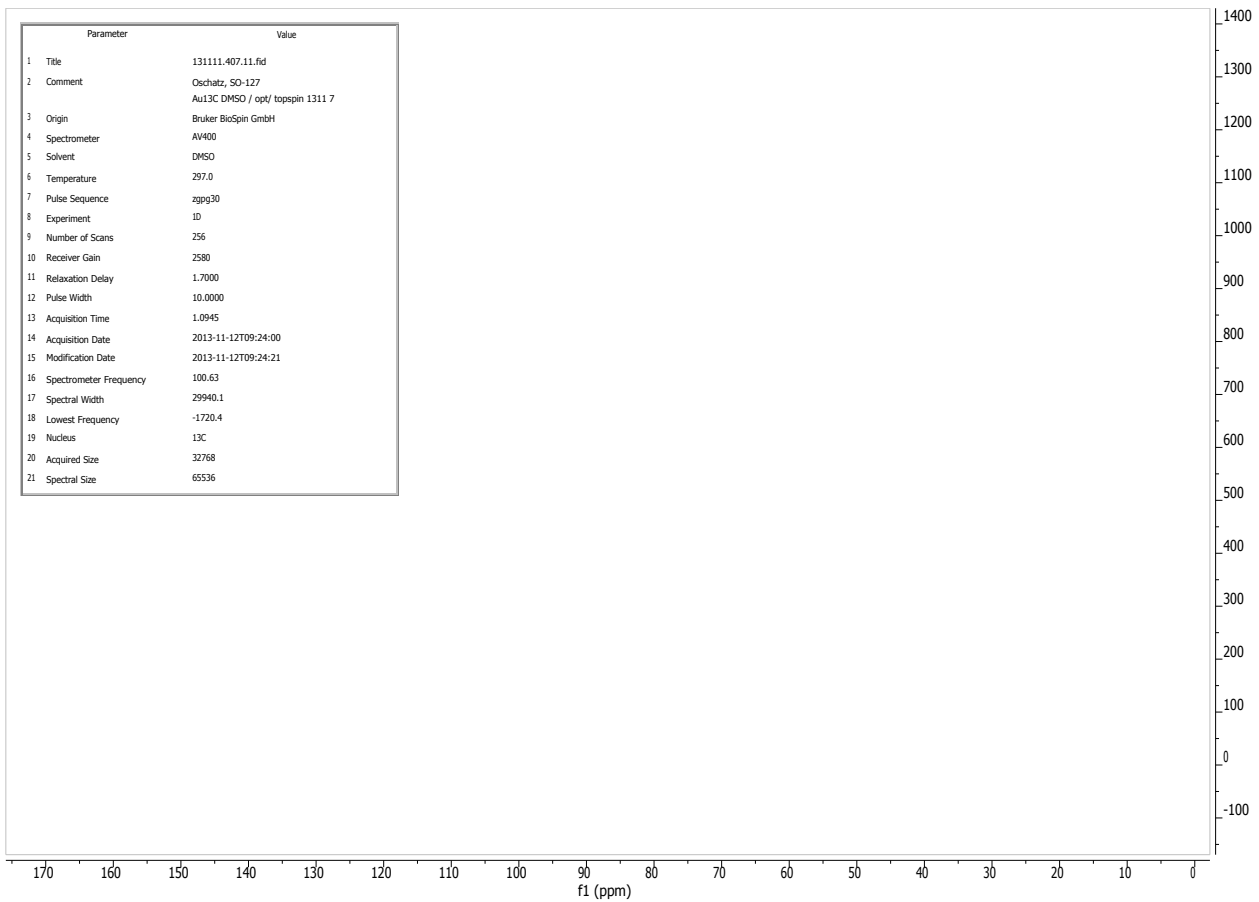
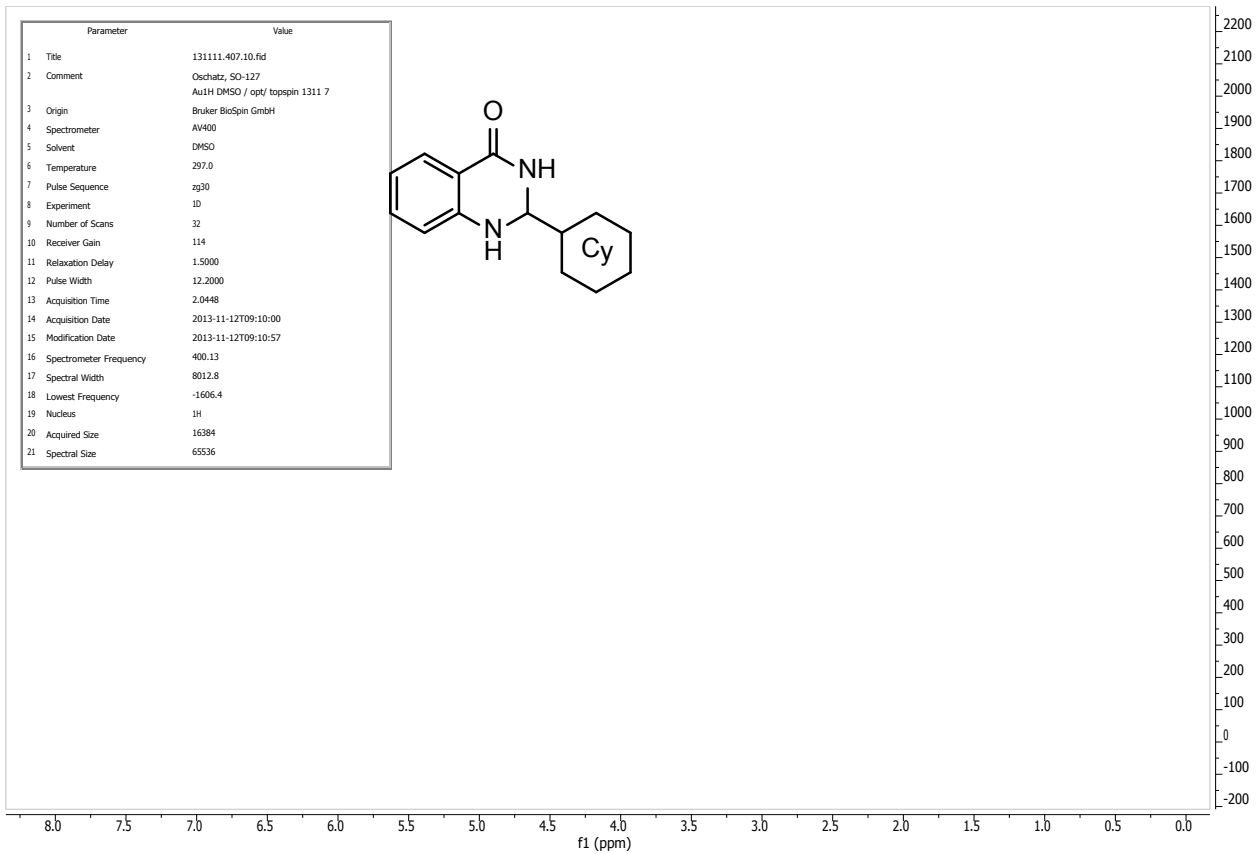
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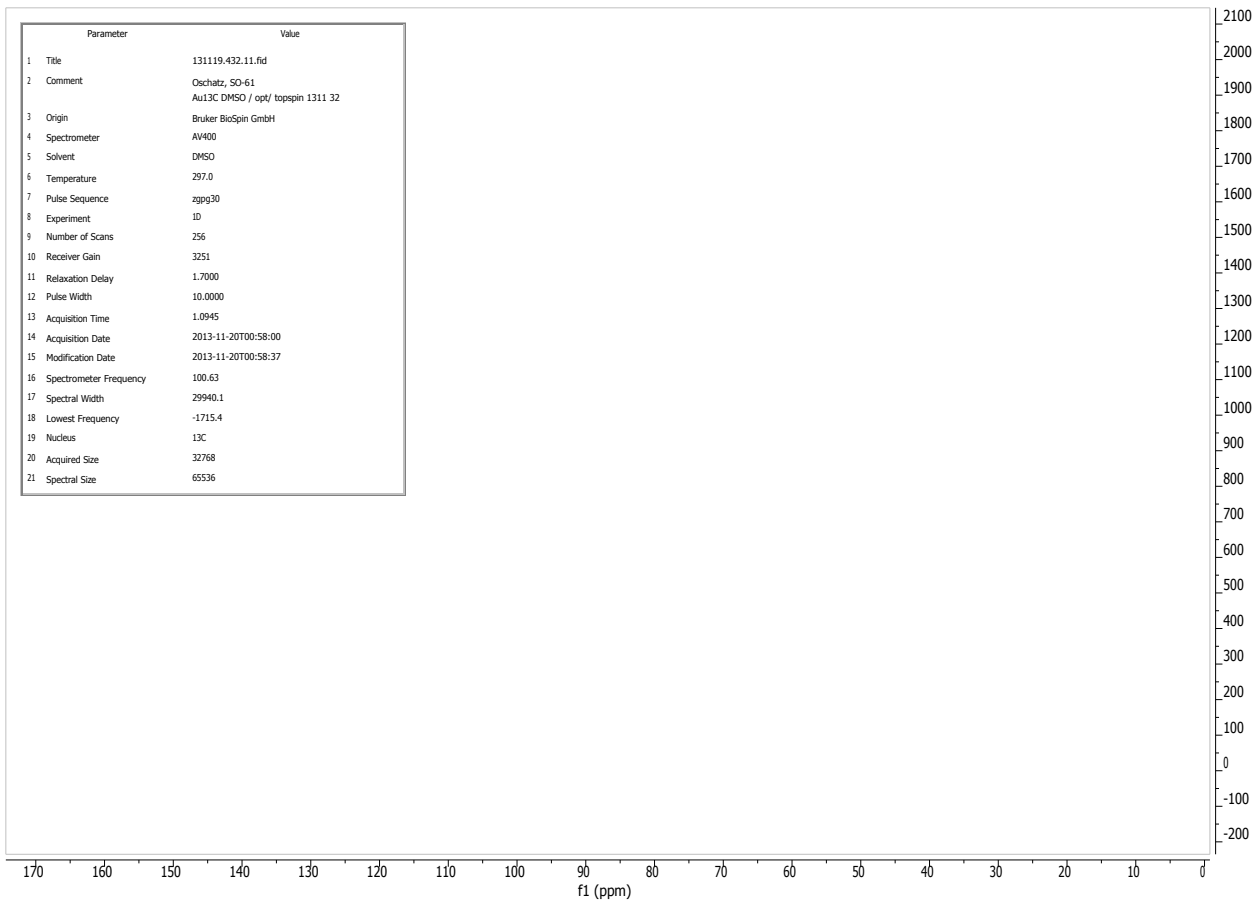
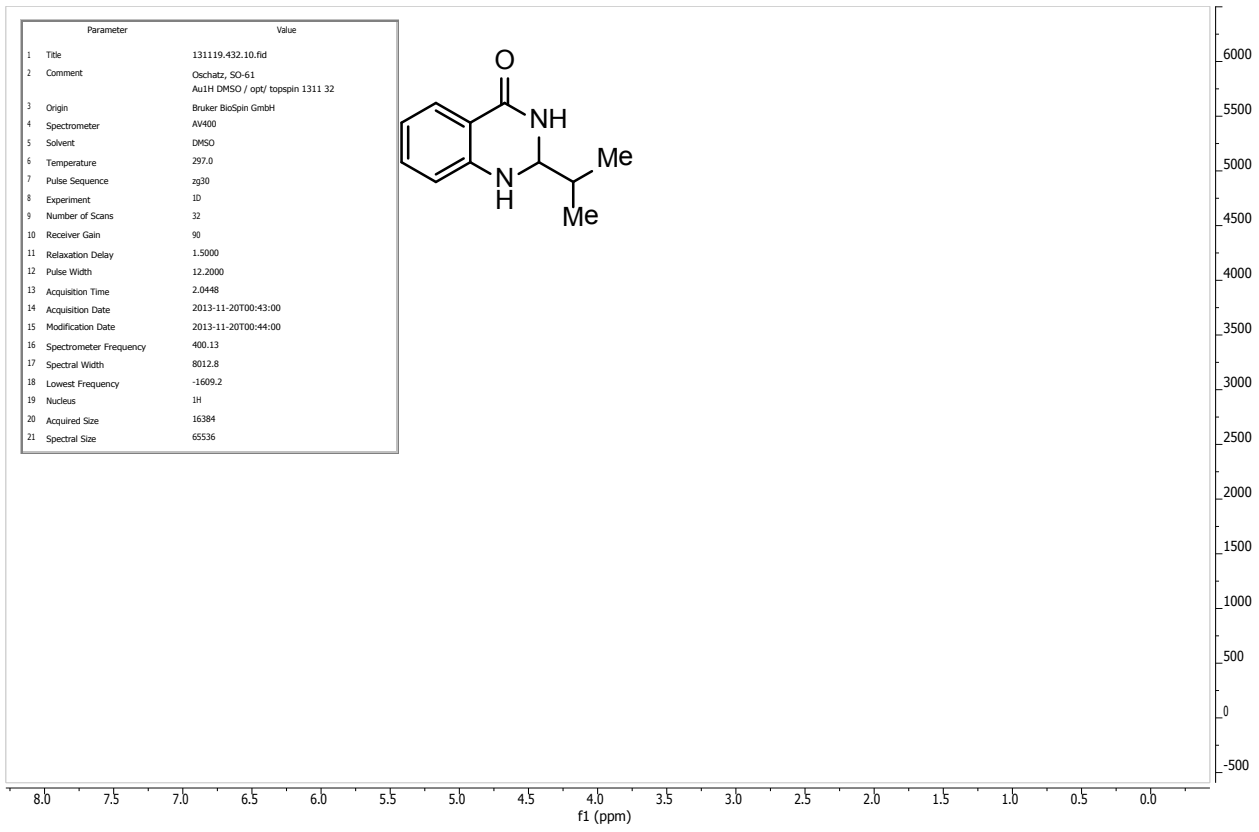
Parameter	Value
1 Title	131119.437.11.fid
2 Comment	Oschatz_AB-8 Au13C DMSO / opt/ topspin 1311 37
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	256
10 Receiver Gain	4096
11 Relaxation Delay	1.7000
12 Pulse Width	10.0000
13 Acquisition Time	1.0945
14 Acquisition Date	2013-11-20T03:04:00
15 Modification Date	2013-11-20T03:04:42
16 Spectrometer Frequency	100.63
17 Spectral Width	29940.1
18 Lowest Frequency	-1720.4
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536

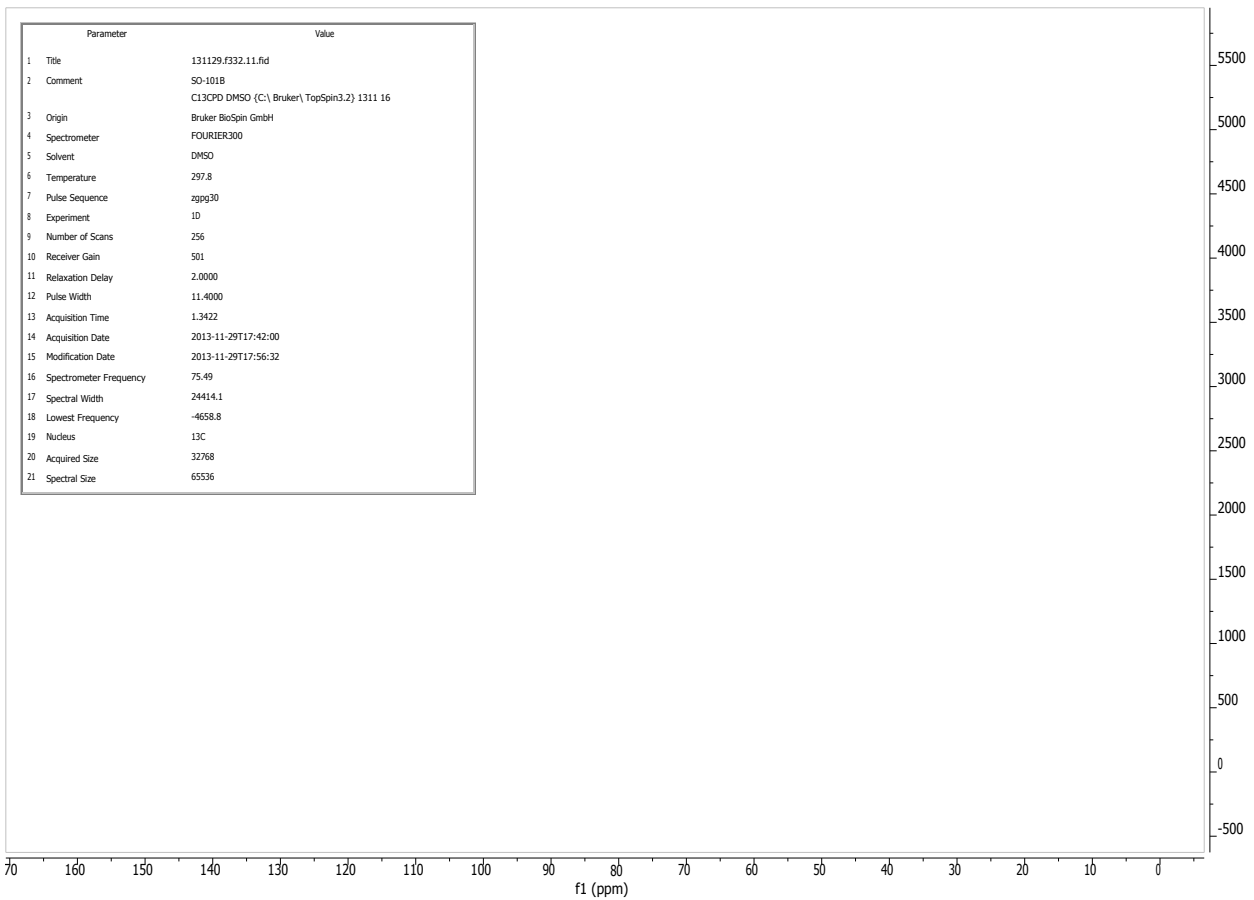
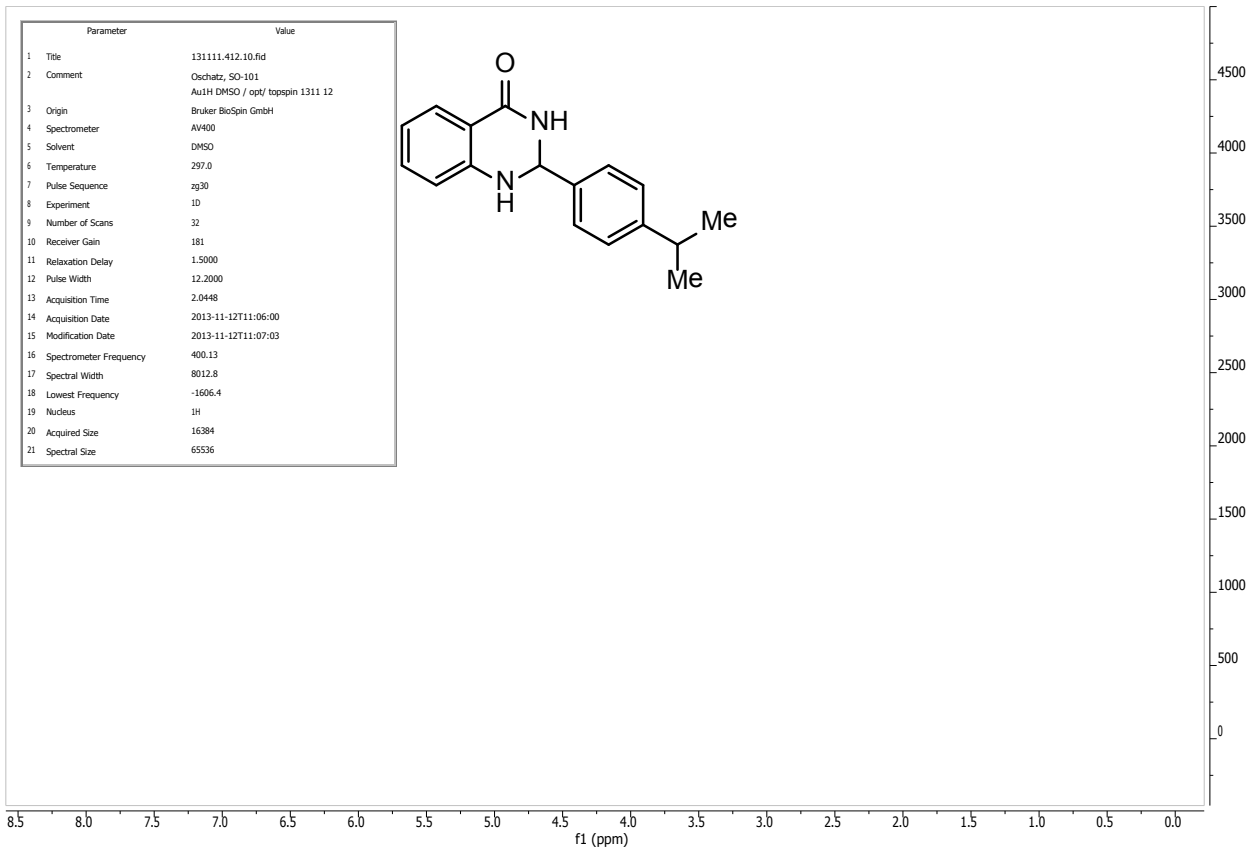
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
f1 (ppm)

2100
2000
1900
1800
1700
1600
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1300
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1100
1000
900
800
700
600
500
400
300
200
100
0
-100
-200

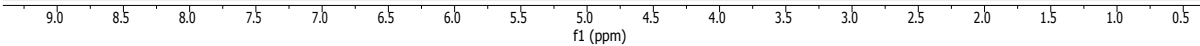
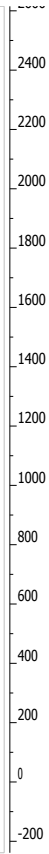
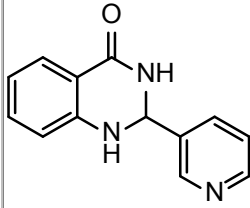




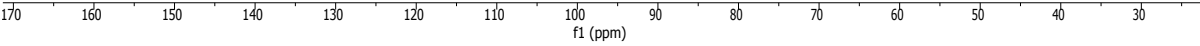
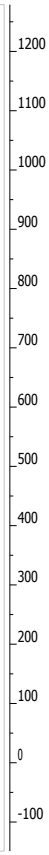




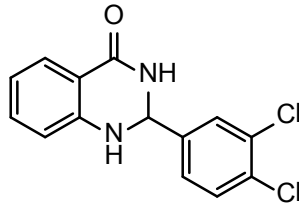
Parameter	Value
1 Title	131029.334.10.fid
2 Comment	Oschatz/ SO-106 Au1H DMSO / opt/ topspin 1310 34
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV300
5 Solvent	DMSO
6 Temperature	295.1
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	32
10 Receiver Gain	161
11 Relaxation Delay	1.0000
12 Pulse Width	11.0000
13 Acquisition Time	2.6543
14 Acquisition Date	2013-10-30T07:20:00
15 Modification Date	2013-10-30T07:20:35
16 Spectrometer Frequency	300.13
17 Spectral Width	6172.8
18 Lowest Frequency	-1234.2
19 Nucleus	1H
20 Acquired Size	16384
21 Spectral Size	65536



Parameter	Value
1 Title	131030.406.10.fid
2 Comment	Oschatz/ SO-106 Au13C DMSO / opt/ topspin 1310 6
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	256
10 Receiver Gain	4096
11 Relaxation Delay	1.7000
12 Pulse Width	10.0000
13 Acquisition Time	1.0945
14 Acquisition Date	2013-10-30T20:23:00
15 Modification Date	2013-10-30T20:23:39
16 Spectrometer Frequency	100.63
17 Spectral Width	29940.1
18 Lowest Frequency	-1710.8
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536



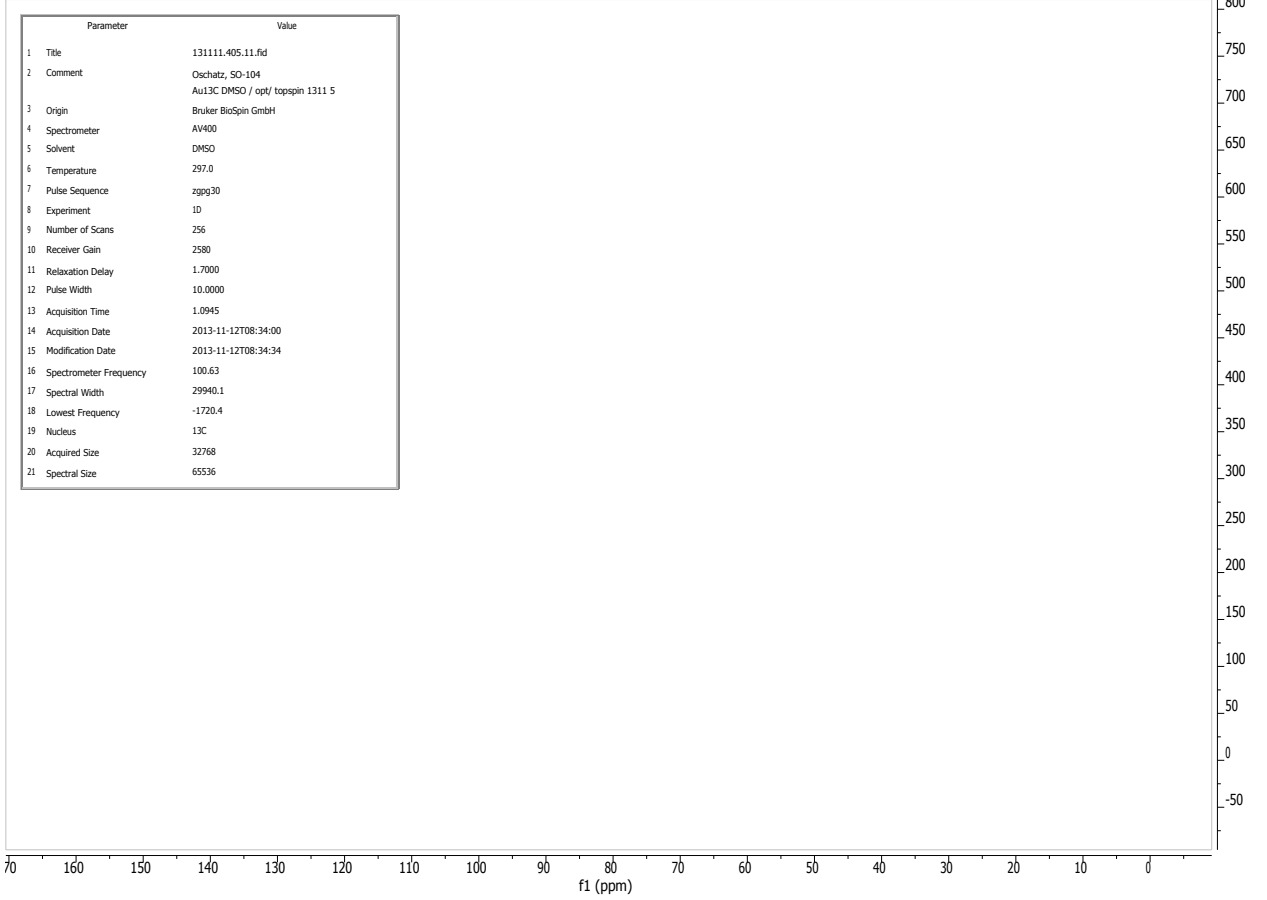
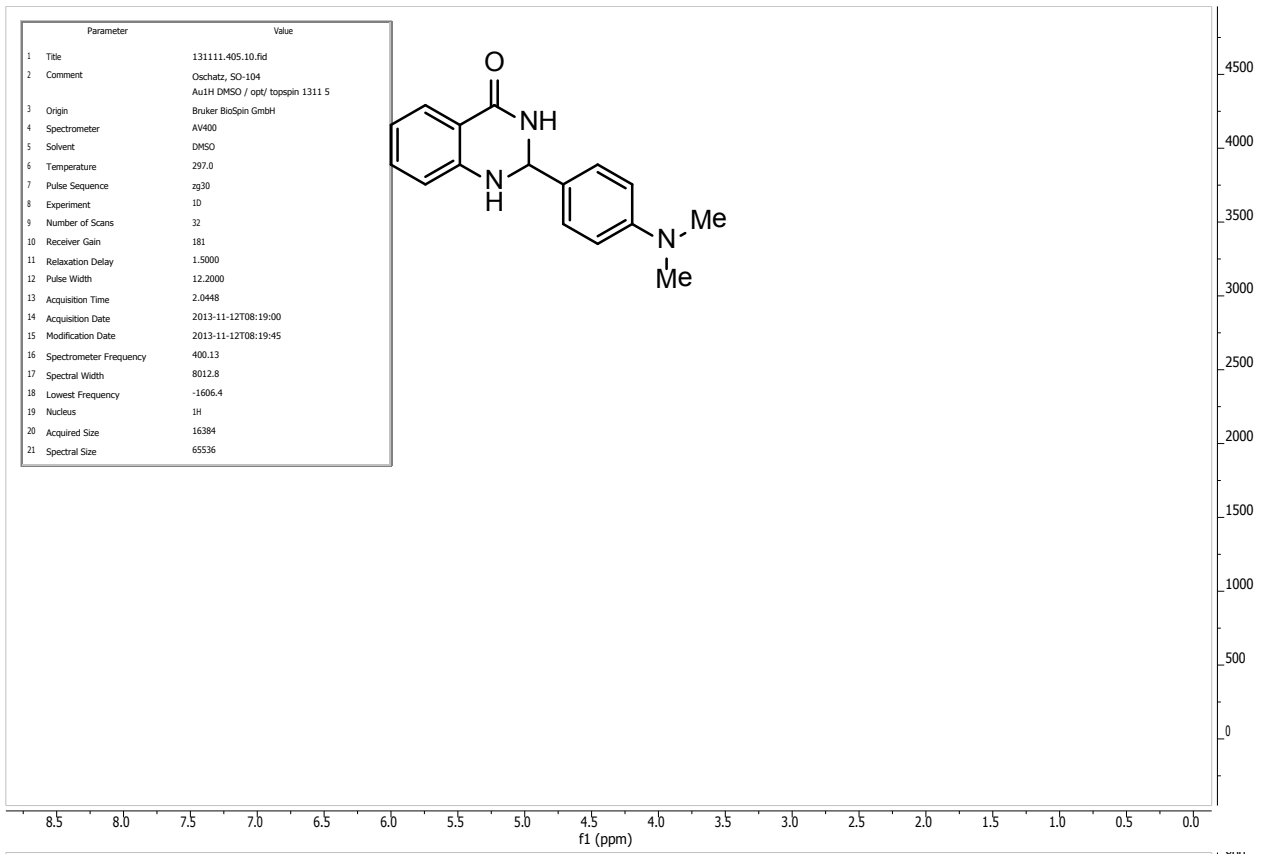
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1 Title	131111.411.10.fid
2 Comment	Oschatz_SO-103 Au1H DMSO / opt/ topspin 1311 11
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	32
10 Receiver Gain	181
11 Relaxation Delay	1.5000
12 Pulse Width	12.2000
13 Acquisition Time	2.0448
14 Acquisition Date	2013-11-12T10:41:00
15 Modification Date	2013-11-12T10:41:44
16 Spectrometer Frequency	400.13
17 Spectral Width	8012.8
18 Lowest Frequency	-1606.4
19 Nucleus	1H
20 Acquired Size	16384
21 Spectral Size	65536



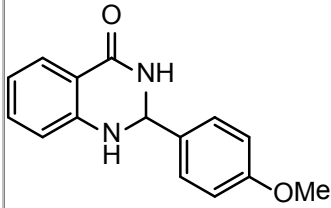
f1 (ppm)

Parameter	Value
1 Title	131111.411.11.fid
2 Comment	Oschatz_SO-103 Au13C DMSO / opt/ topspin 1311 11
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	256
10 Receiver Gain	2896
11 Relaxation Delay	1.7000
12 Pulse Width	10.0000
13 Acquisition Time	1.0945
14 Acquisition Date	2013-11-12T10:55:00
15 Modification Date	2013-11-12T10:55:11
16 Spectrometer Frequency	100.63
17 Spectral Width	29940.1
18 Lowest Frequency	-1720.4
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536

f1 (ppm)



Parameter	Value
1 Title	131113.309.10.fid
2 Comment	Oschatz_SO-45 Au1H DMSO / opt/ topspin 1311 9
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV300
5 Solvent	DMSO
6 Temperature	295.1
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	32
10 Receiver Gain	128
11 Relaxation Delay	1.0000
12 Pulse Width	11.0000
13 Acquisition Time	2.6543
14 Acquisition Date	2013-11-14T08:00:00
15 Modification Date	2013-11-14T08:00:05
16 Spectrometer Frequency	300.13
17 Spectral Width	6172.8
18 Lowest Frequency	-1234.2
19 Nucleus	1H
20 Acquired Size	16384
21 Spectral Size	65536



11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
-1000

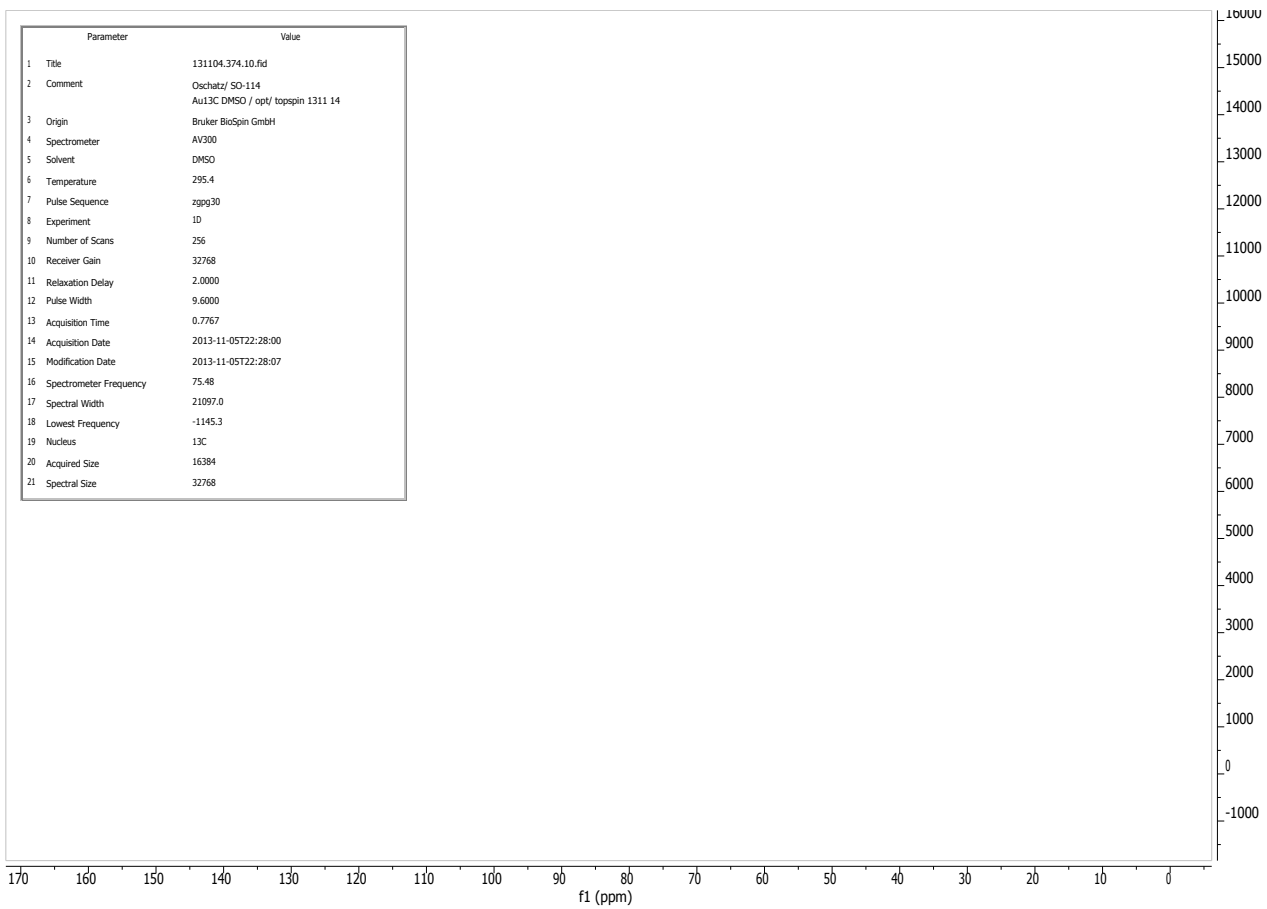
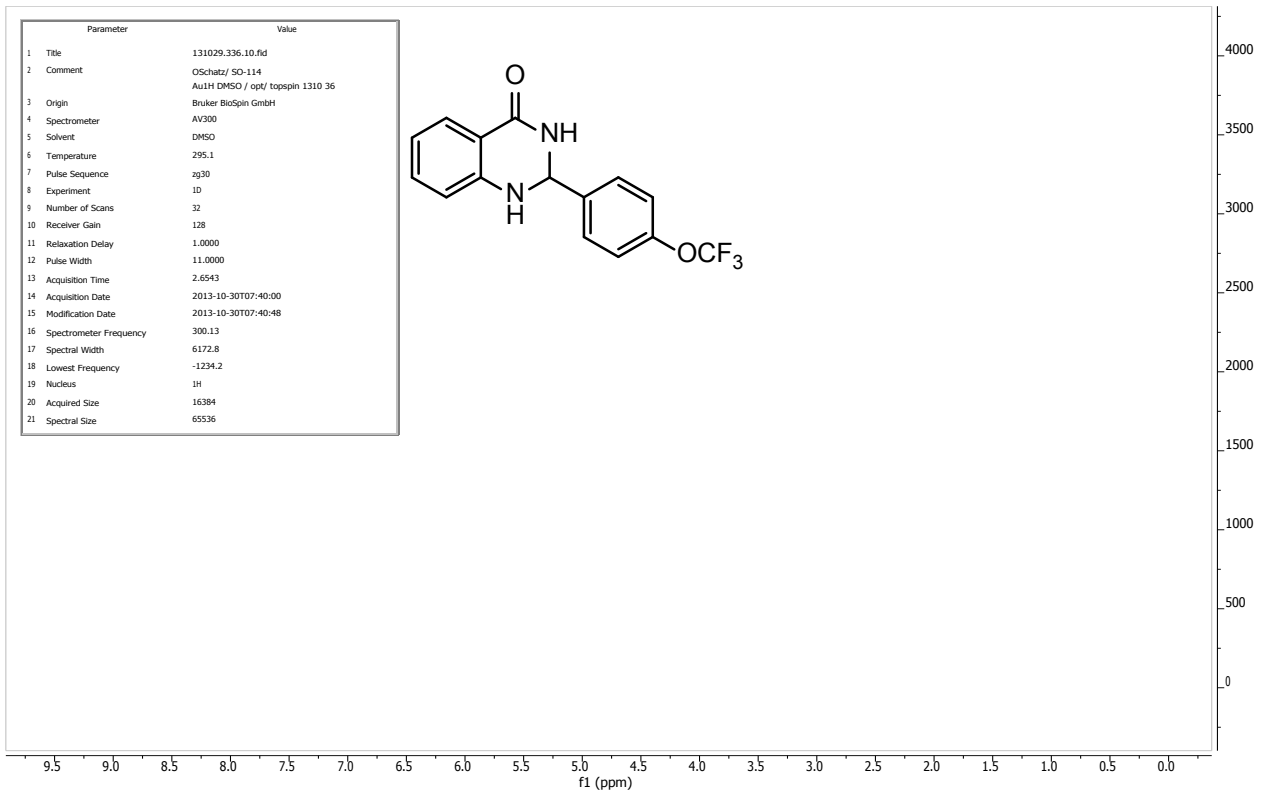
f1 (ppm)

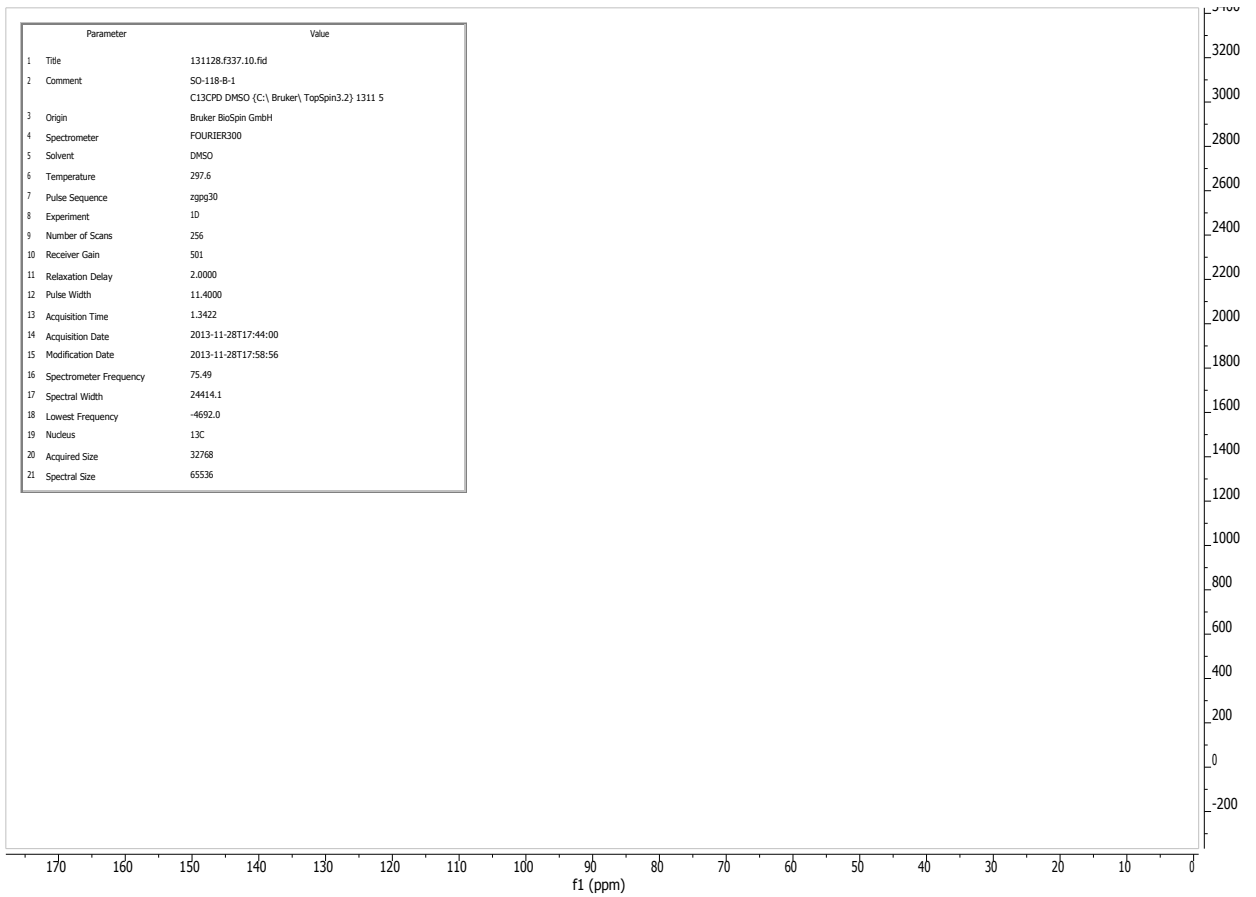
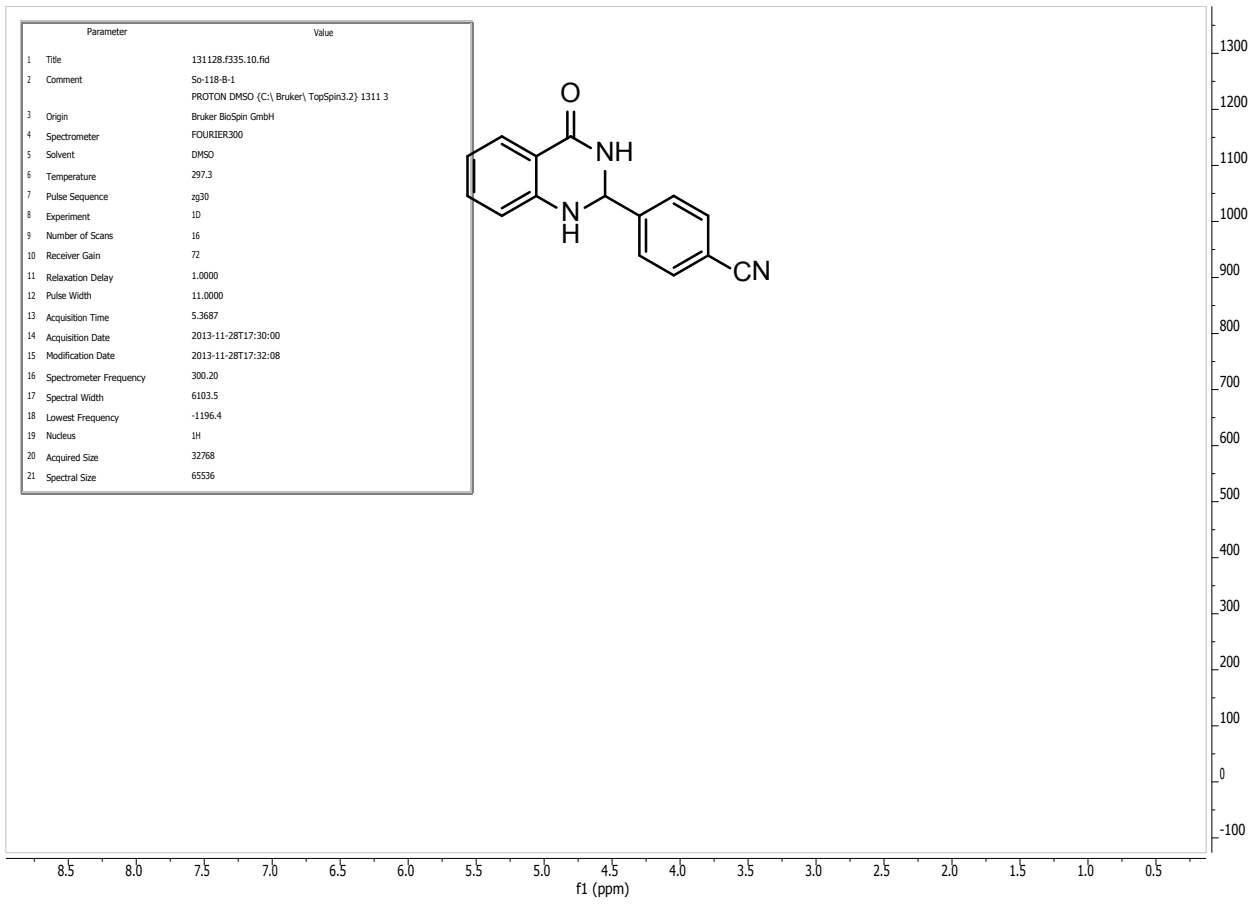
Parameter	Value
1 Title	131111.406.10.fid
2 Comment	Oschatz_SO-115 Au13C DMSO / opt/ topspin 1311 6
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	256
10 Receiver Gain	4598
11 Relaxation Delay	1.7000
12 Pulse Width	10.0000
13 Acquisition Time	1.0945
14 Acquisition Date	2013-11-12T08:58:00
15 Modification Date	2013-11-12T08:58:32
16 Spectrometer Frequency	100.63
17 Spectral Width	29940.1
18 Lowest Frequency	-1715.2
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536

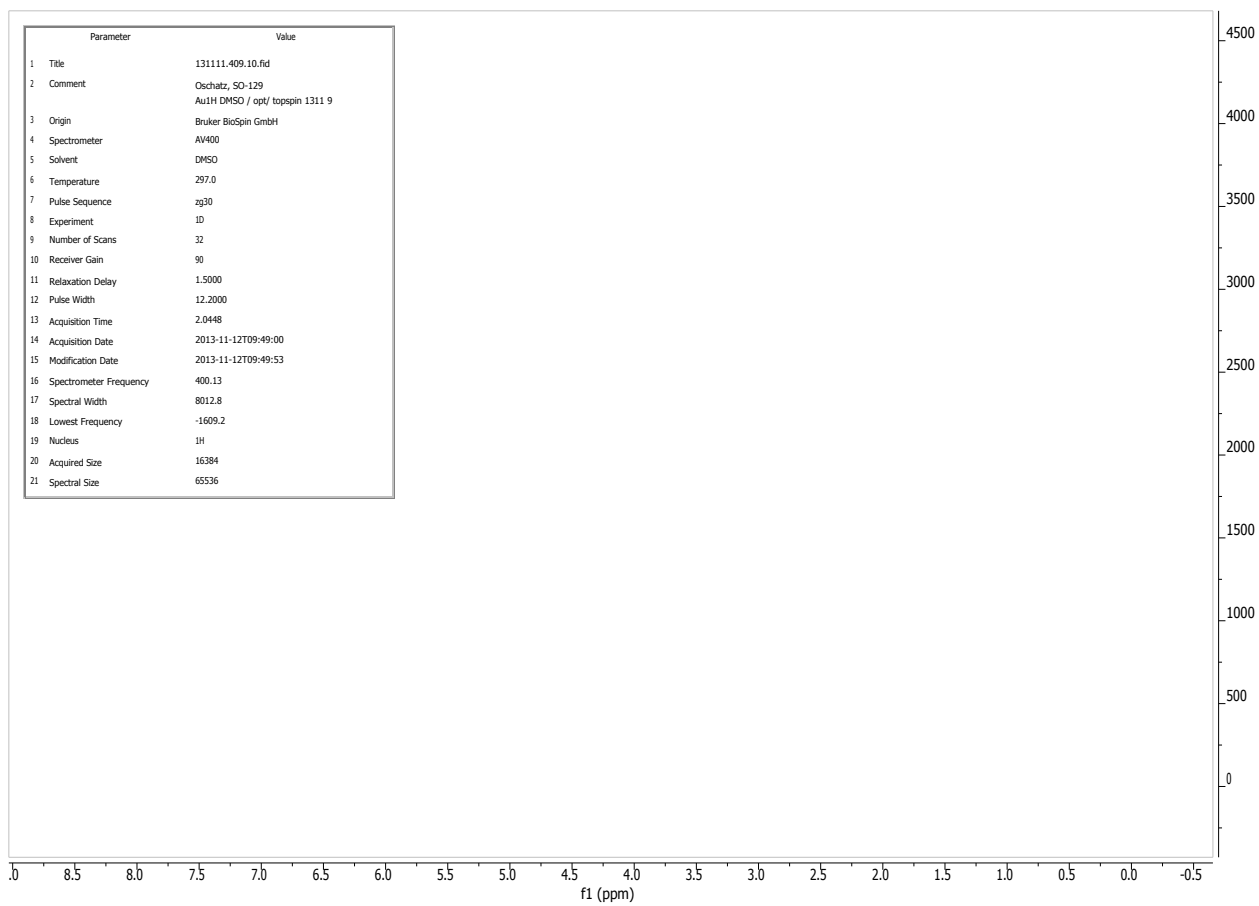
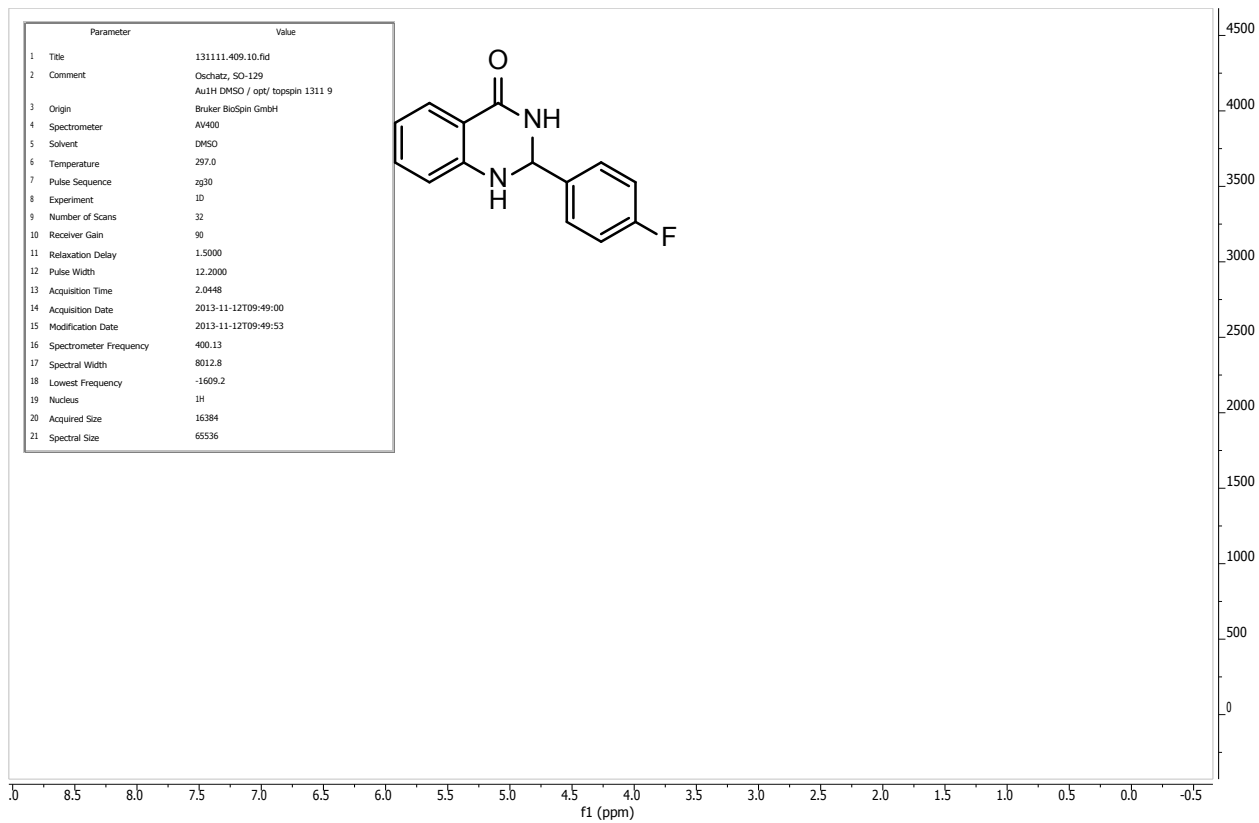
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
-200

f1 (ppm)

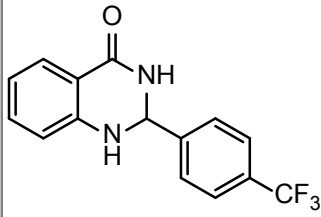
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0







Parameter	Value
1 Title	131106.437.10.fid
2 Comment	Oschaltz/ SO- 120 Au1H DMSO / opt/ toppsin 1311 37
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zg30
8 Experiment	1D
9 Number of Scans	32
10 Receiver Gain	228
11 Relaxation Delay	1.5000
12 Pulse Width	12.2000
13 Acquisition Time	2.0448
14 Acquisition Date	2013-11-07T13:47:00
15 Modification Date	2013-11-07T13:47:10
16 Spectrometer Frequency	400.13
17 Spectral Width	8012.8
18 Lowest Frequency	-1609.2
19 Nucleus	1H
20 Acquired Size	16384
21 Spectral Size	65536



9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
f1 (ppm)

3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
-200

Parameter	Value
1 Title	131106.437.11.fid
2 Comment	Oschaltz/ SO- 120 Au13C DMSO / opt/ toppsin 1311 37
3 Origin	Bruker BioSpin GmbH
4 Spectrometer	AV400
5 Solvent	DMSO
6 Temperature	297.0
7 Pulse Sequence	zgpg30
8 Experiment	1D
9 Number of Scans	500
10 Receiver Gain	4096
11 Relaxation Delay	1.7000
12 Pulse Width	10.0000
13 Acquisition Time	1.0945
14 Acquisition Date	2013-11-07T14:12:00
15 Modification Date	2013-11-07T14:12:15
16 Spectrometer Frequency	100.63
17 Spectral Width	29940.1
18 Lowest Frequency	-1715.7
19 Nucleus	13C
20 Acquired Size	32768
21 Spectral Size	65536

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10
f1 (ppm)

1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
-100

