

Synthesis of dihydrodehydrodiconiferyl alcohol: the revised structure of lawsonicin.

Junxiu Meng,^{a,b} Tao Jiang,^b Huma Aslam Bhatti,^c Bina S. Siddiqui,^c Sally Dixon,^{*a}
and Jeremy D. Kilburn ^{*a}

^a School of Chemistry, University of Southampton, Southampton, U.K. SO17 1BJ.

^b Key Laboratory of Marine Drugs, Ministry of Education of China, School of Pharmacy, Ocean University of
China, Qingdao 266003, China.

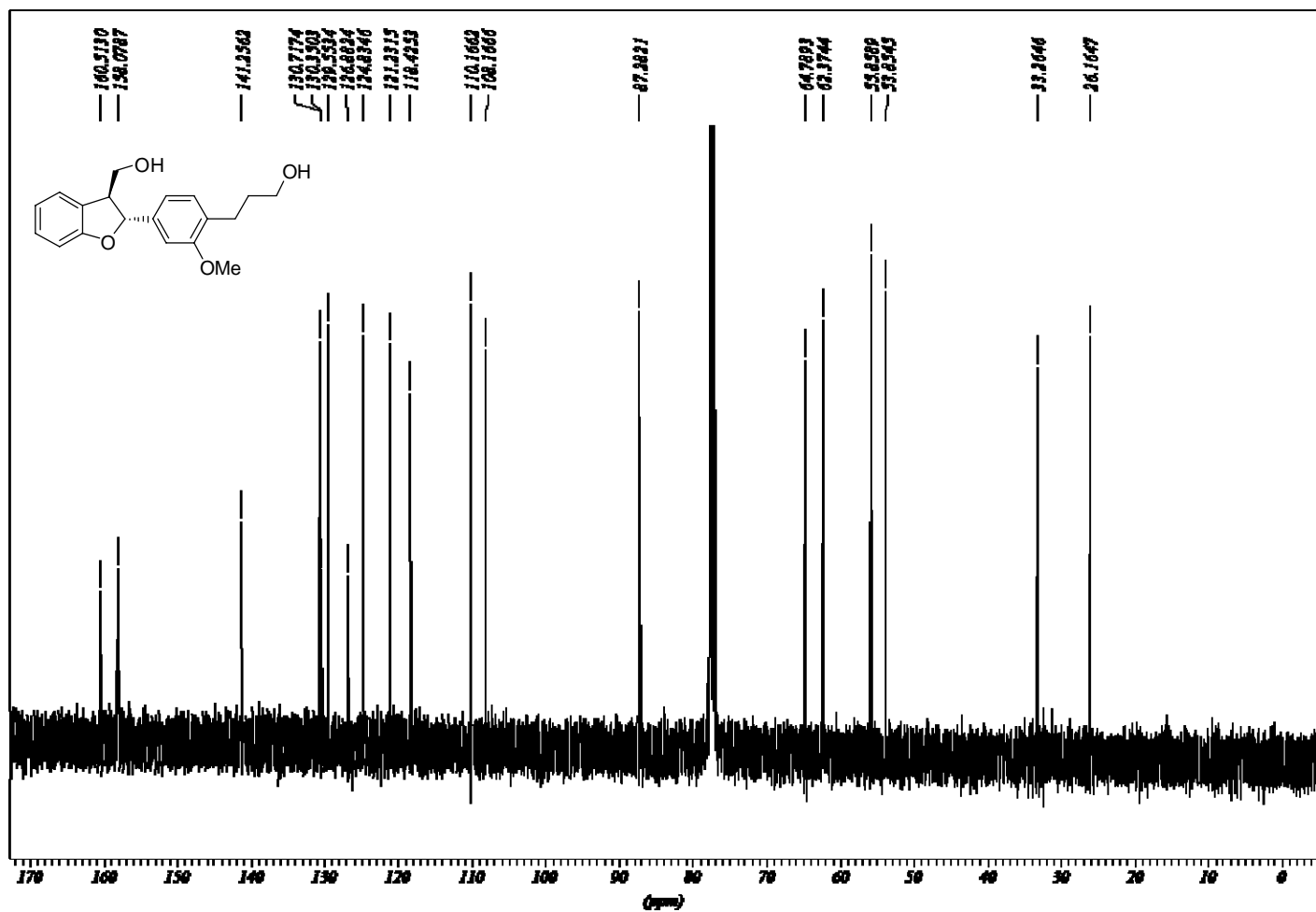
^c H.E.J Research Institute of Chemistry, International Centre for Chemical Sciences, University of Karachi, Karachi-
75270, Pakistan.

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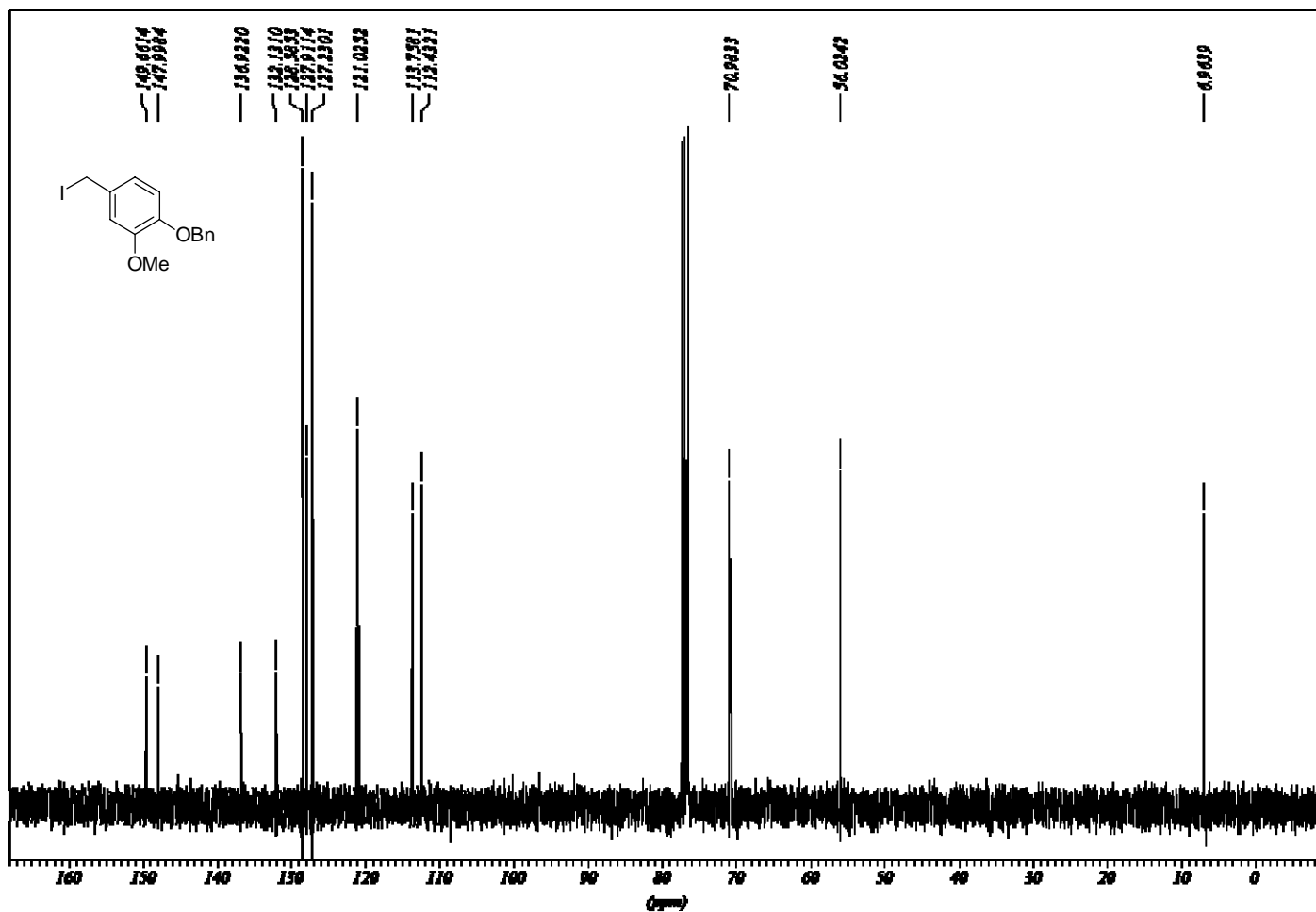
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^{13}C NMR (100.5 MHz, CDCl_3) for:

rac-3-{4-[2,3-*trans*]-3-(Hydroxymethyl)-2,3-dihydro-1-benzofuran-2-yl]-2-methoxyphenyl}propan-1-ol (**8**)

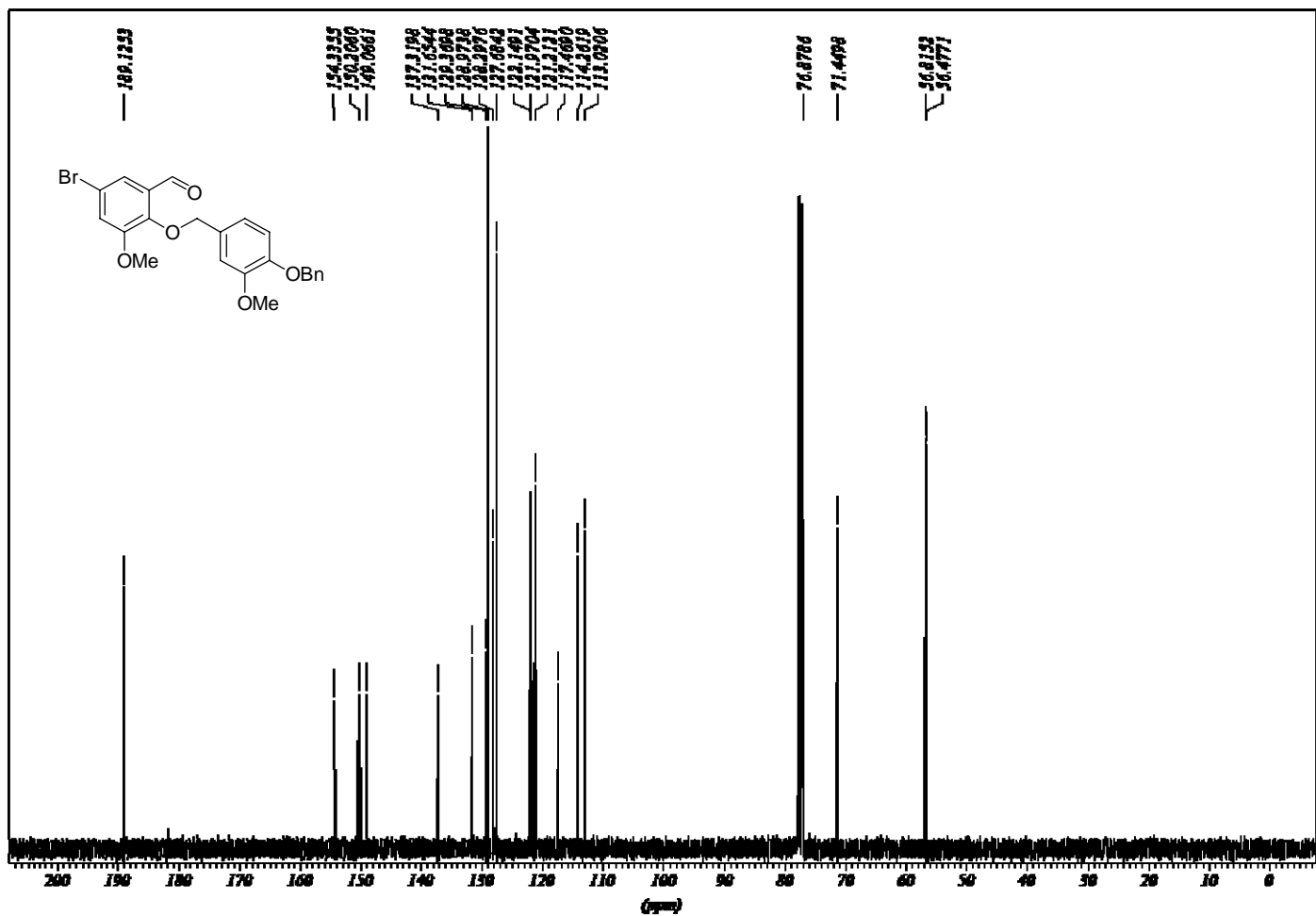


^{13}C NMR (75 MHz, CDCl_3) for:
1-(Benzyloxy)-4-(iodomethyl)-2-methoxybenzene (**10**)



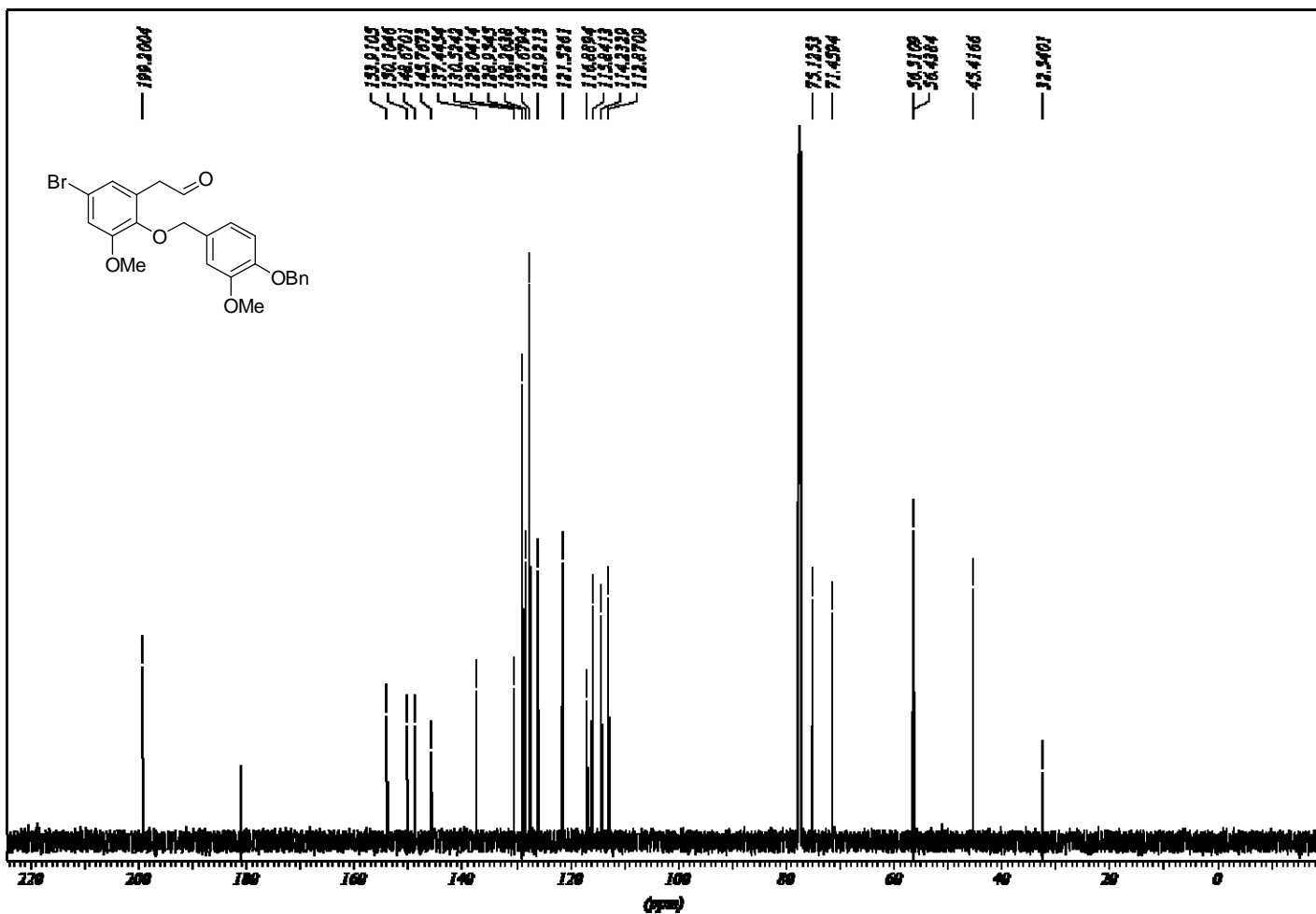
^{13}C NMR (100.5 MHz, CDCl_3) for:

2-{{4-(Benzyloxy)-3-methoxybenzyl}oxy}-5-bromo-3-methoxybenzaldehyde (**11**)



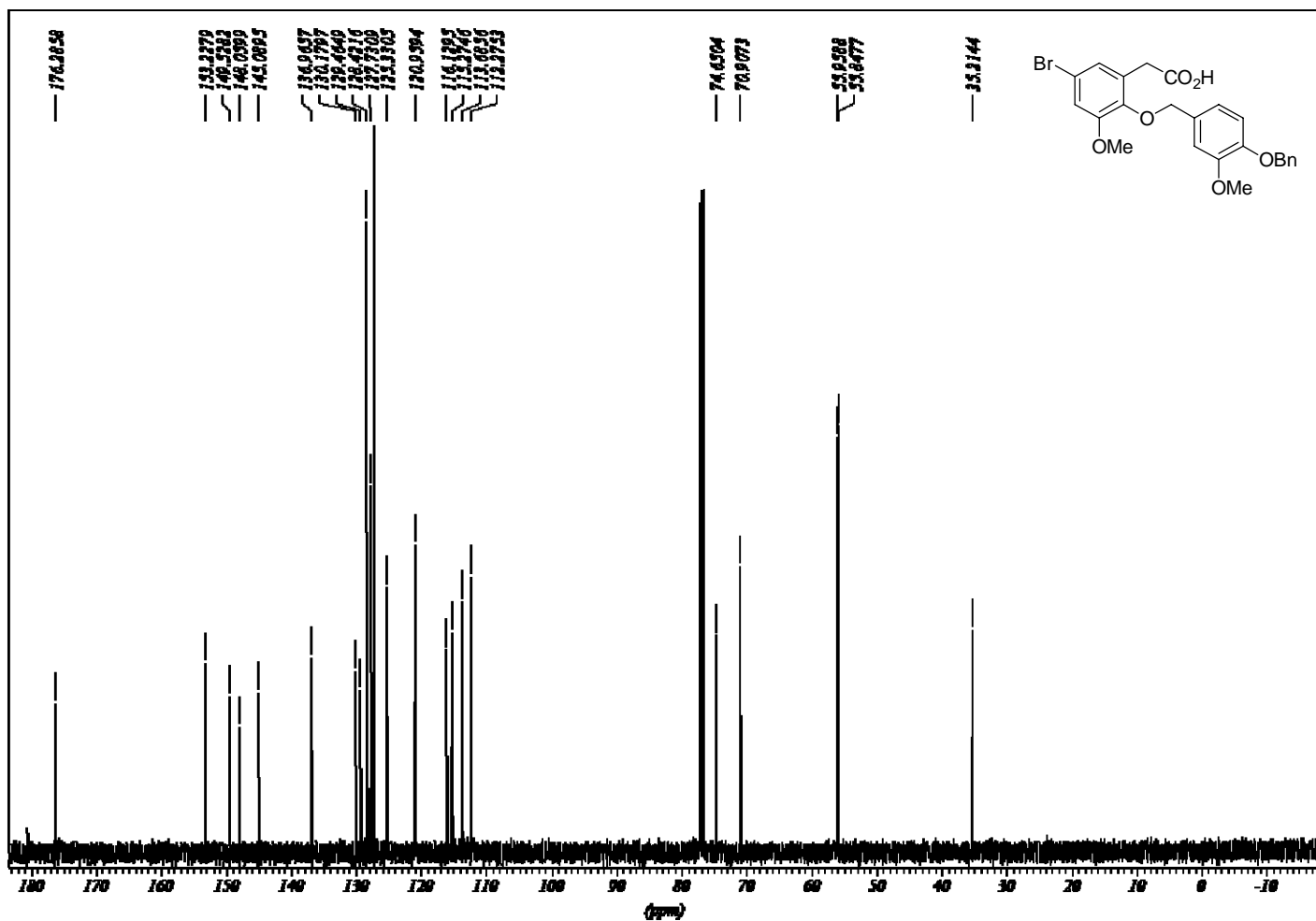
^{13}C NMR (100.5 MHz, CDCl_3) for:

2-{2-[4-(Benzyloxy)-3-methoxybenzyloxy]-5-bromo-3-methoxyphenyl}acetaldehyde (**18**)



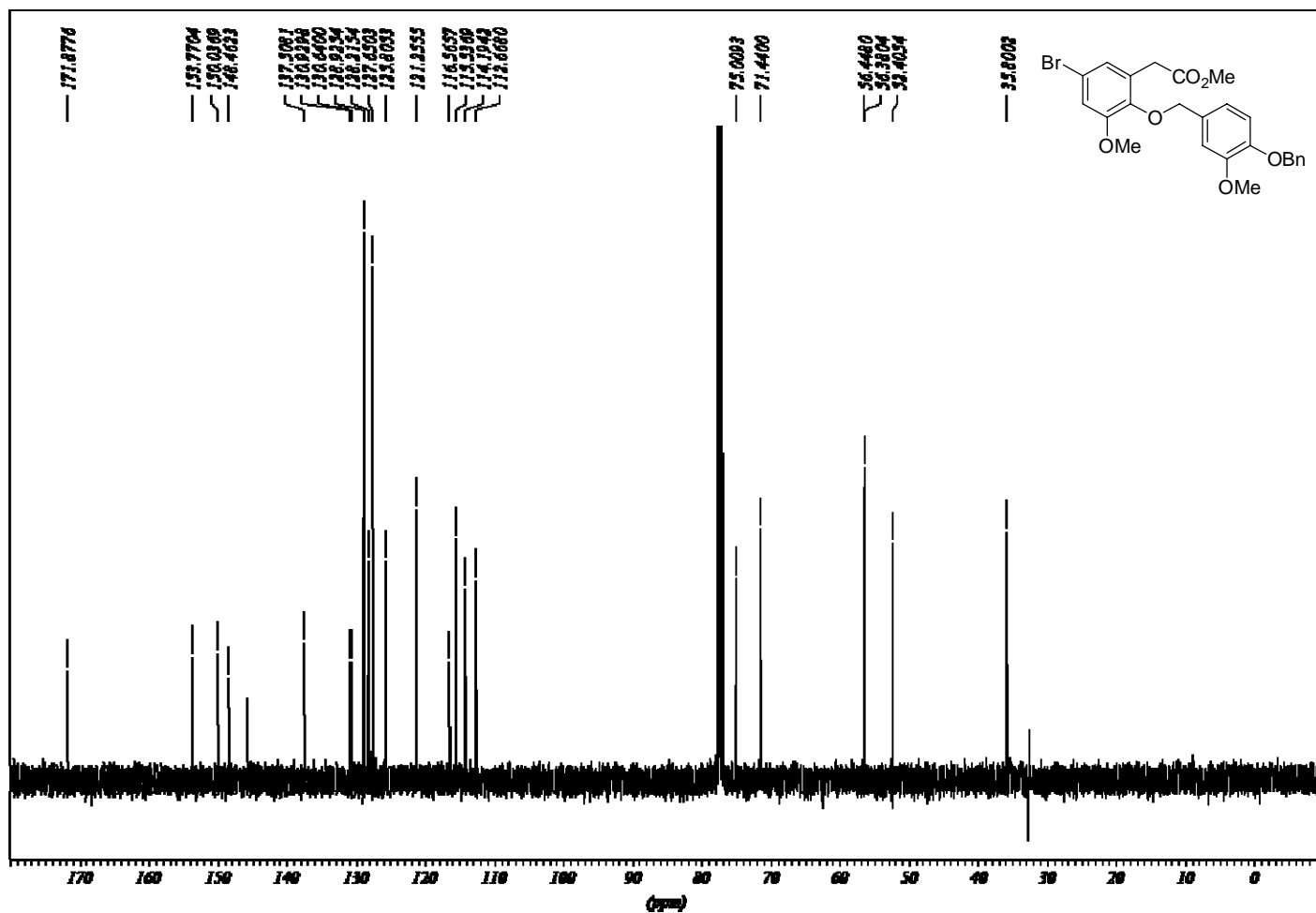
^{13}C NMR (100.5 MHz, CDCl_3) for:

2-[2-[4-(Benzyloxy)-3-methoxybenzyloxy]-5-bromo-3-methoxyphenyl]acetic acid (**19**)

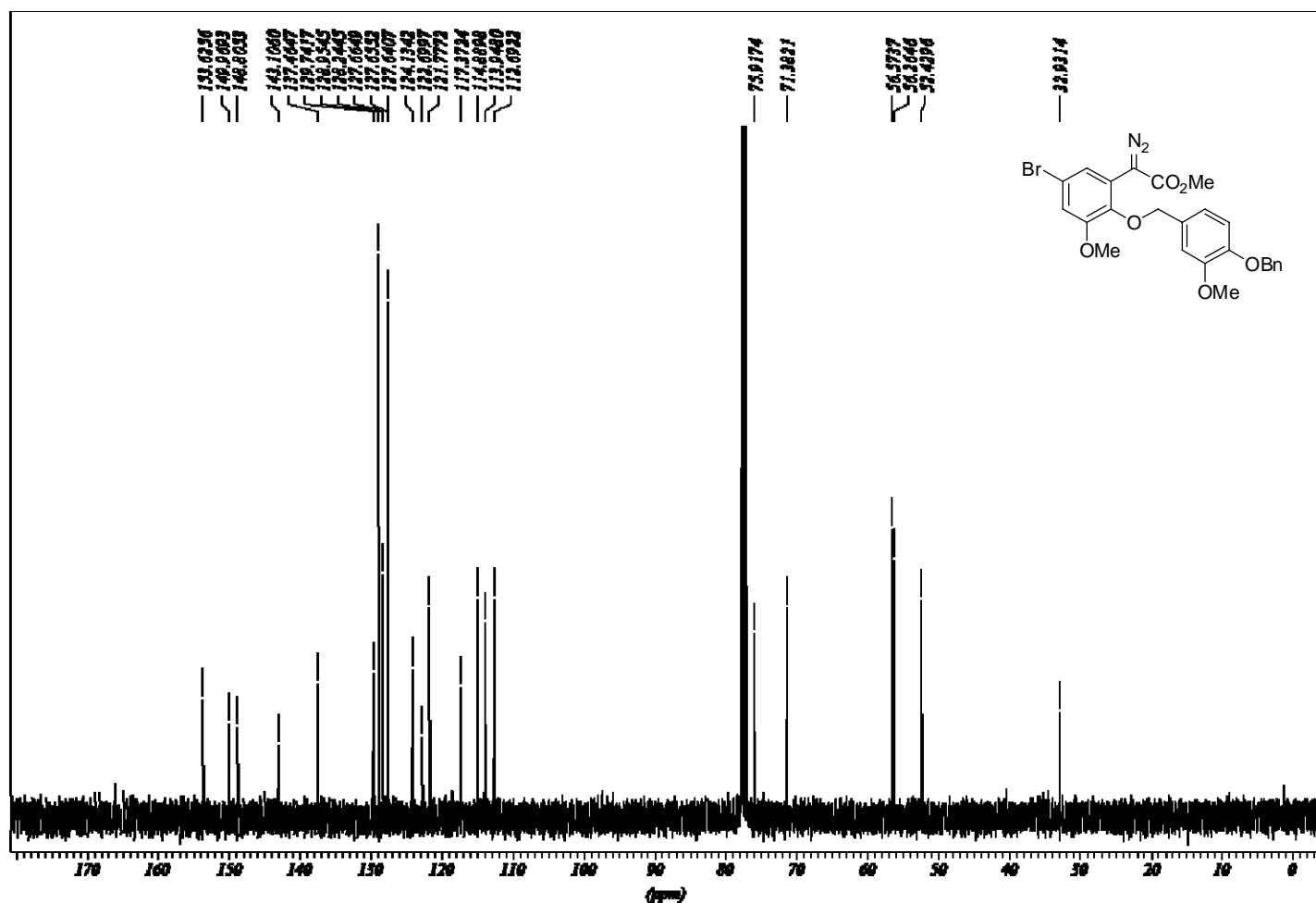


^{13}C NMR (100.5 MHz, CDCl_3) for:

2-{2-[4-(Benzyloxy)-3-methoxybenzyloxy]-5-bromo-3-methoxyphenyl}acetate (**12**)

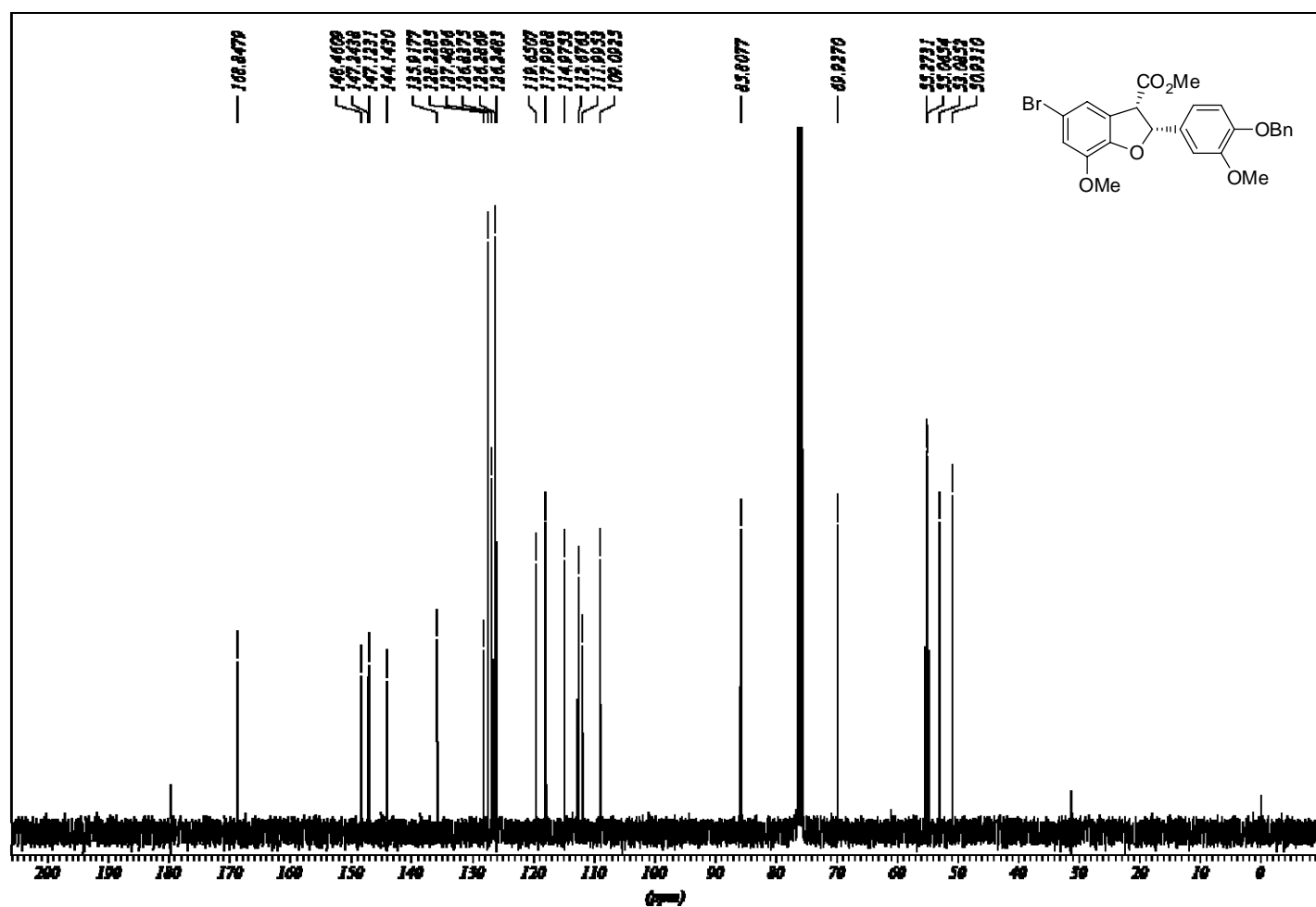


^{13}C NMR (100.5 MHz, CDCl_3) for: α -Diazoester **13**



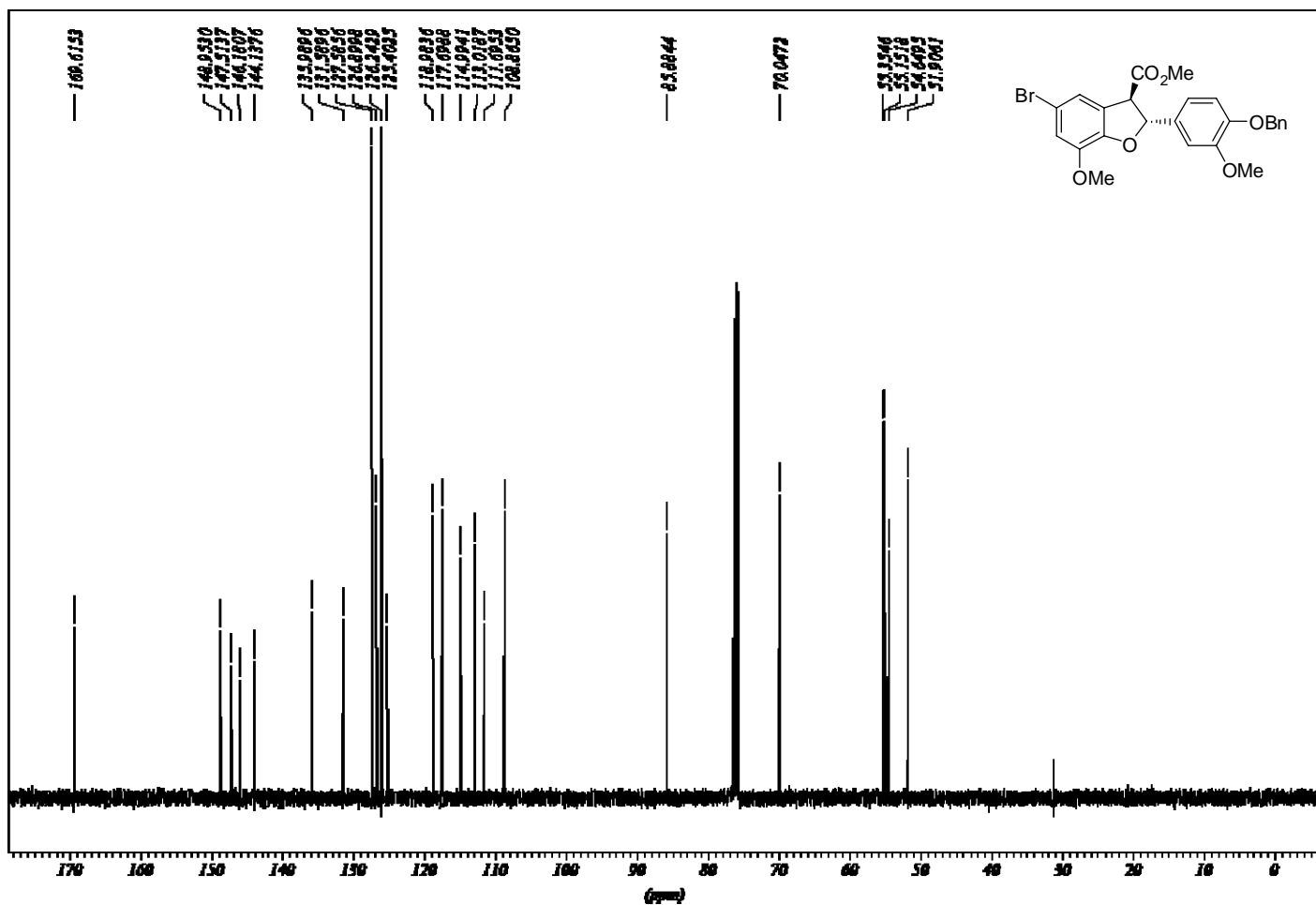
^{13}C NMR (100.5 MHz, CDCl_3) for:

rac-Methyl-2-(4-(benzyloxy)-3-methoxyphenyl)-5-bromo-7-methoxy-(2,3-*cis*)-dihydro benzofuran-3-carboxylate (*rac-cis-14*)



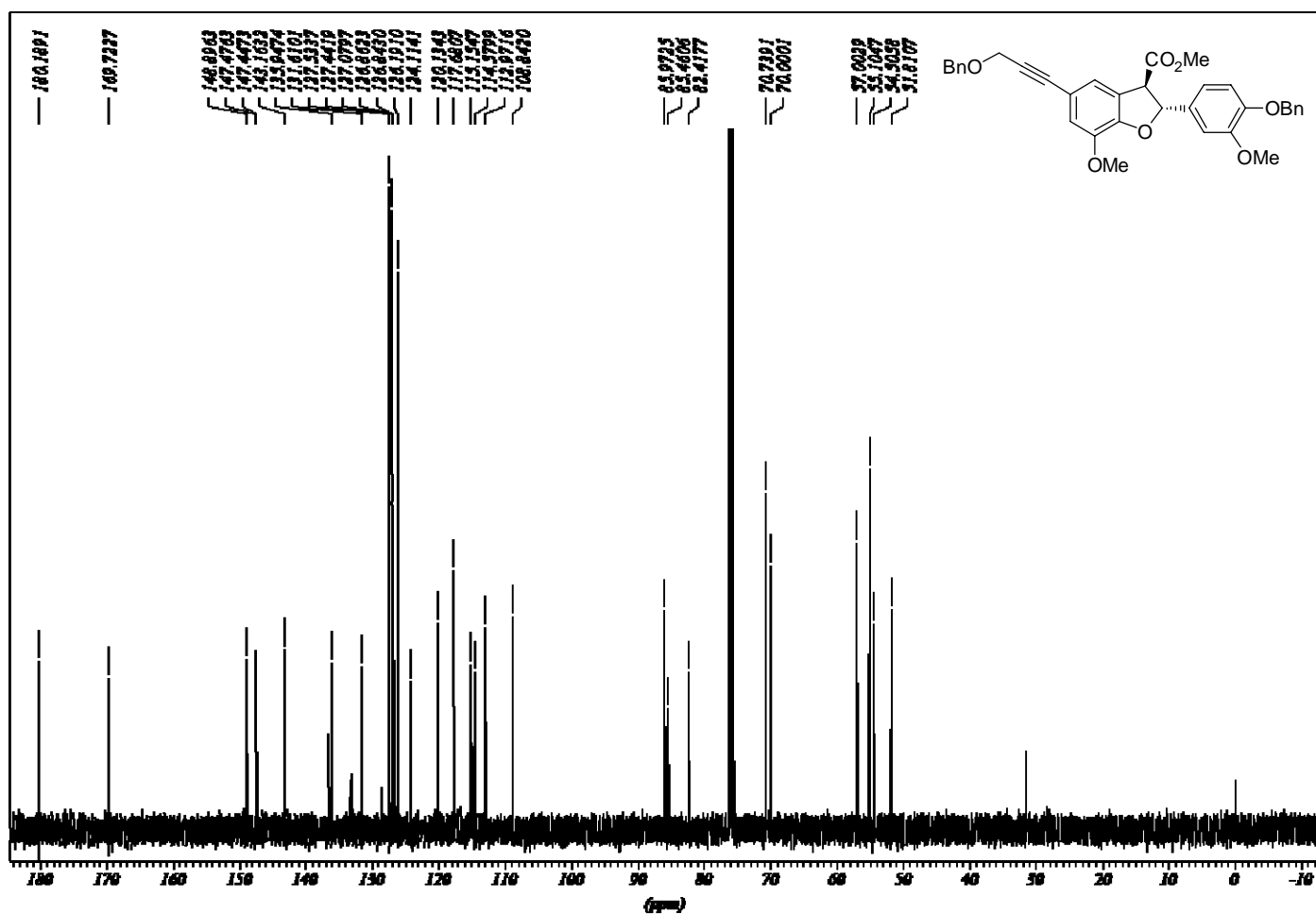
^{13}C NMR (100.5 MHz, CDCl_3) for:

rac-Methyl-2-(4-(benzyloxy)-3-methoxyphenyl)-5-bromo-7-methoxy-(2,3-*trans*)-dihydro benzofuran-3-carboxylate (*rac-trans*-14)



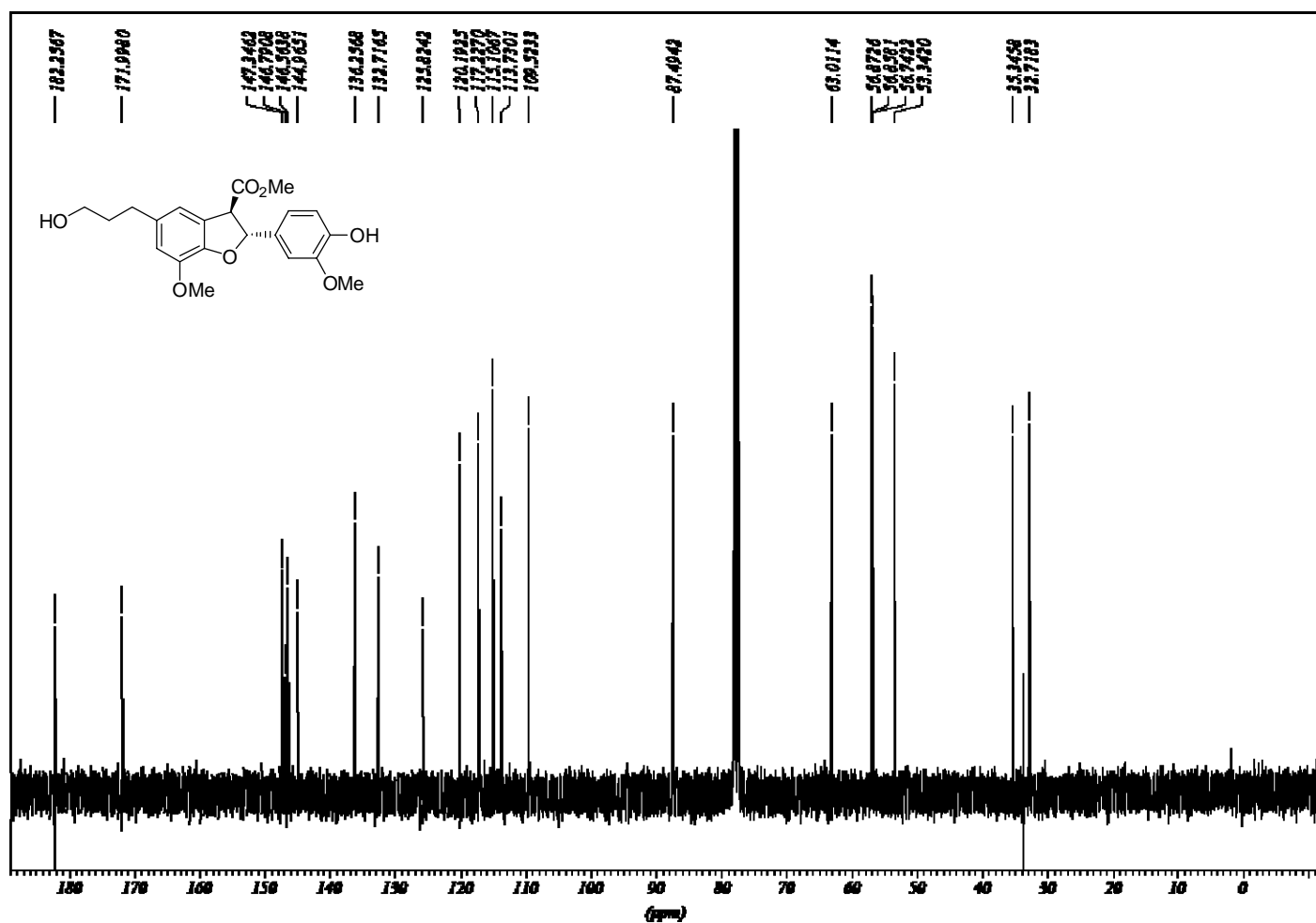
^{13}C NMR (100.5 MHz, CDCl_3) for:

rac-Methyl-2-(4-(benzyloxy)-3-methoxyphenyl)-5-(3-(benzyloxy)prop-1-ynyl)-7-methoxy-(2,3-*trans*)-dihydrobenzofuran-3-carboxylate (**16**)

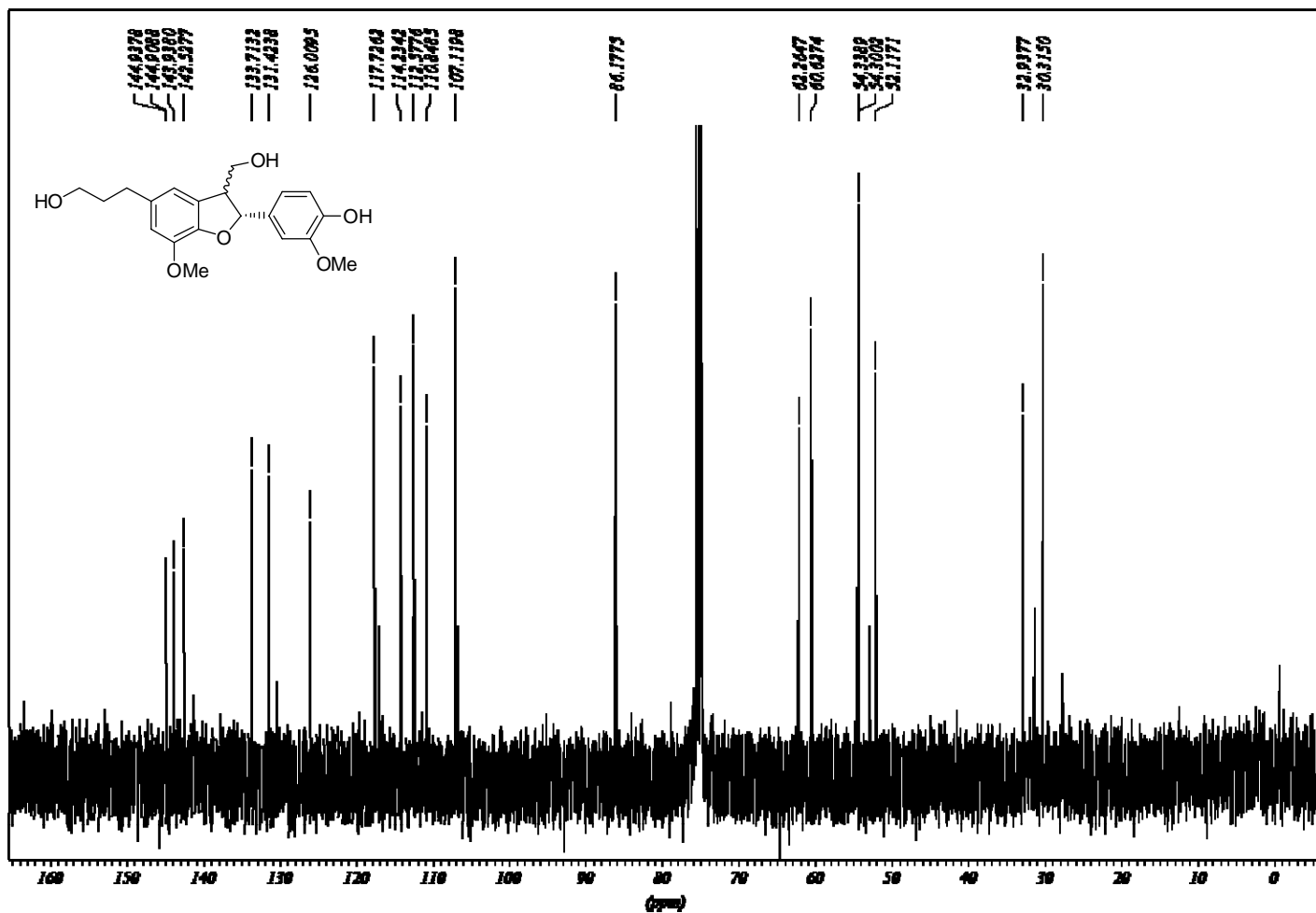


^{13}C NMR (100.5 MHz, CDCl_3) for:

rac-Methyl-(2,3-*trans*)-5-(3-hydroxypropyl)-2-(4-hydroxy-3-methoxyphenyl)-7-methoxy-2,3-dihydro-1-benzofuran-3-carboxylate (**20**)



^{13}C NMR (100.5 MHz, CDCl_3) for:
10:3 (*rac*-2,3-*trans*:*rac*-2,3-*cis*) dihydrodehydroconiferyl alcohol (**2**)



¹³C NMR (125 MHz, CDCl₃) for: isolated natural product (lawsonicin)

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PROCNO 1

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HL1 20 dB
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NS 40575
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PC 1.00

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F2P 1.110 ppm
F2 139.54 Hz
PPMCH 3.96043 ppm/
HZCM 1245.06799 Hz/C1

NADEEM KARDAR/DR. BINA/LA-30/CDCL3

