

Supporting Information

for

Structural diversification of *N*-acylhydrazones by click chemistry

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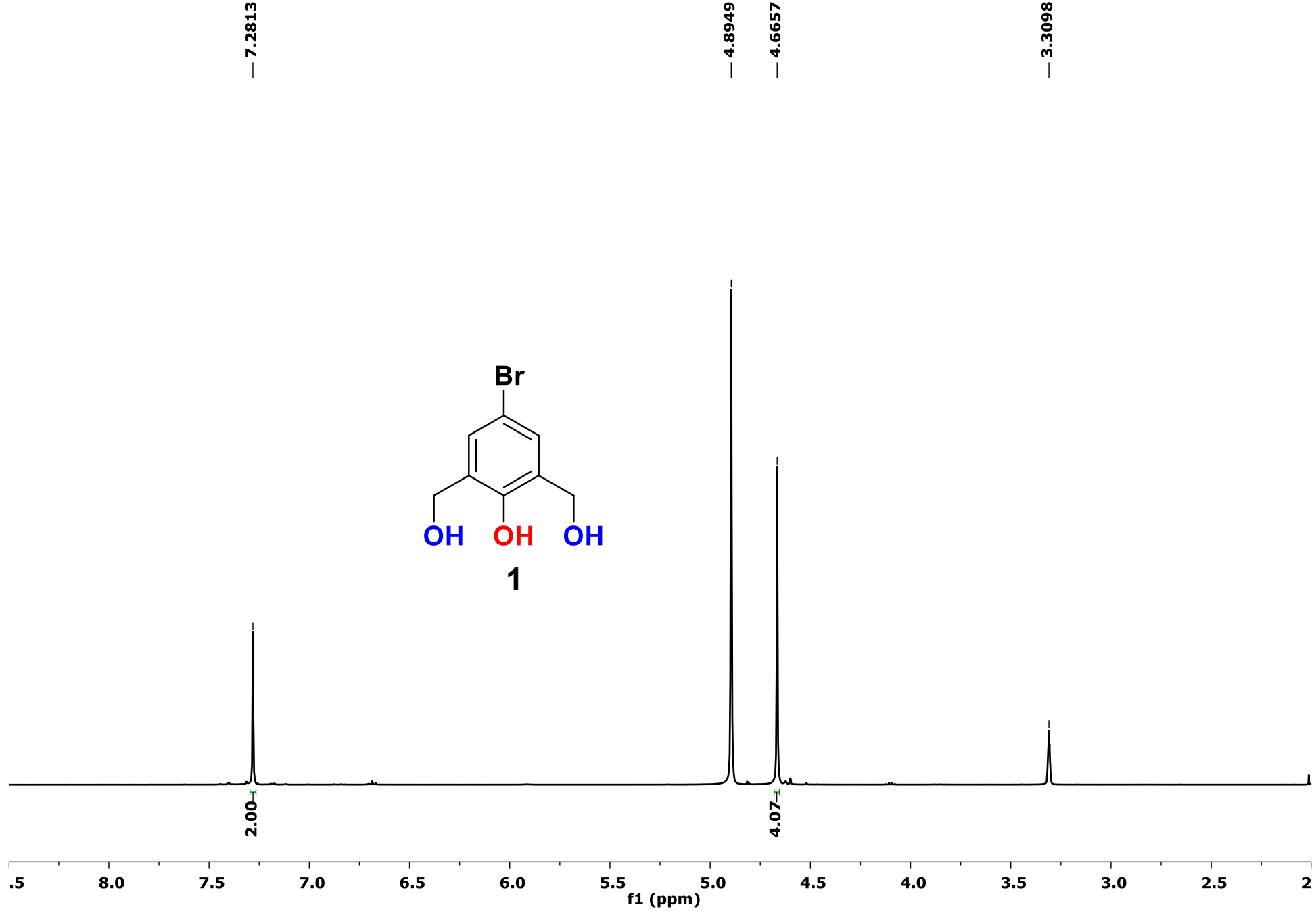
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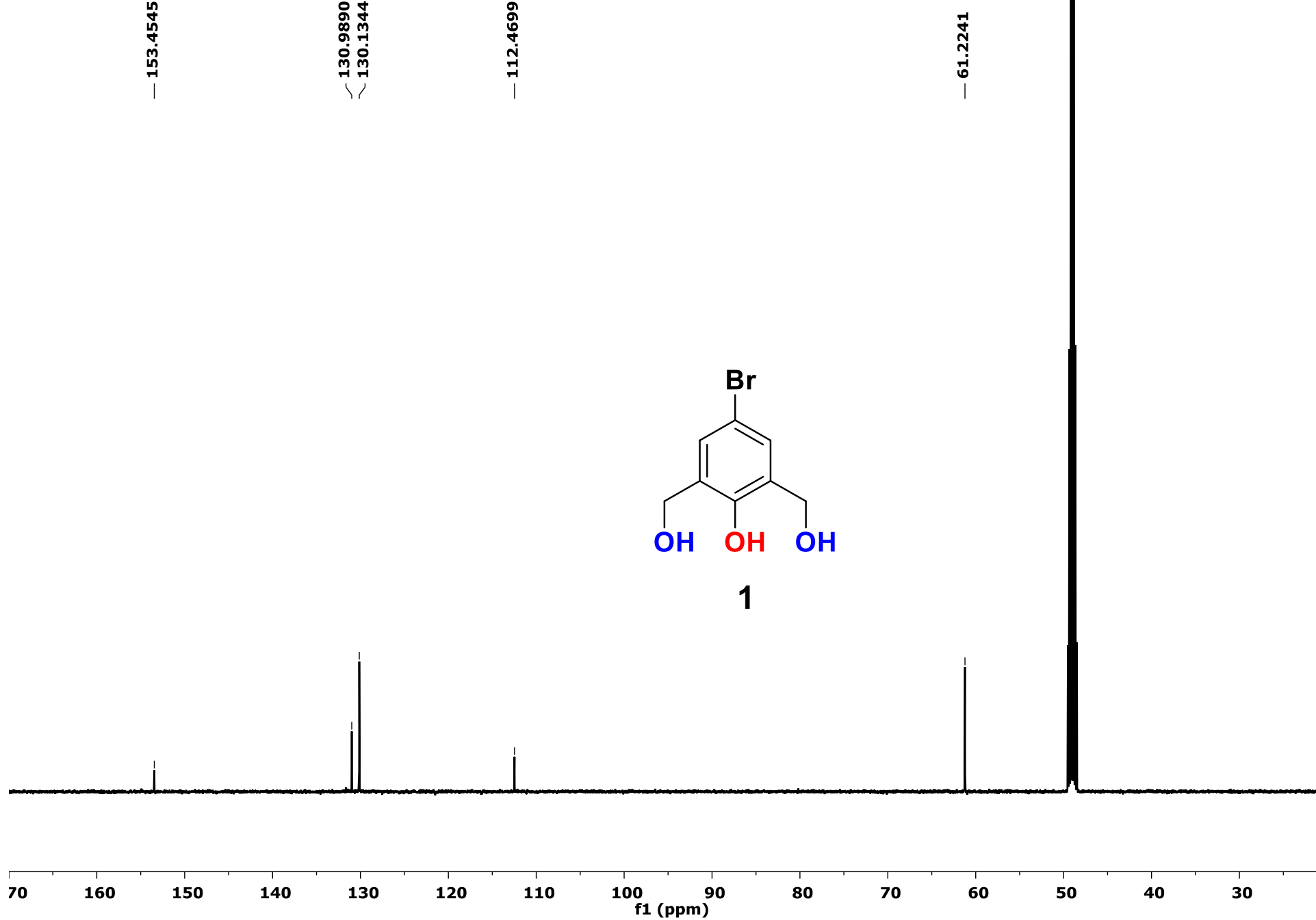
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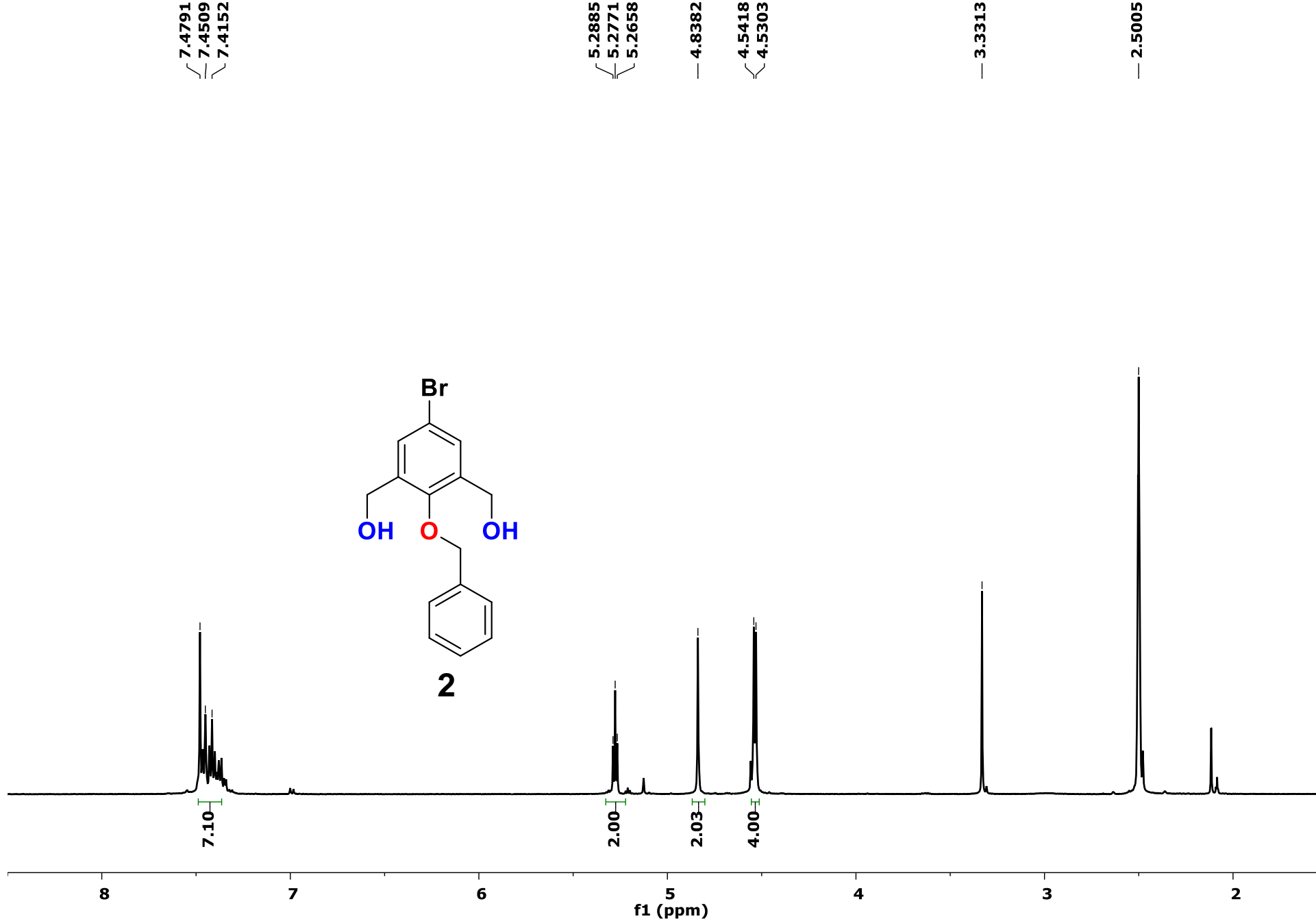
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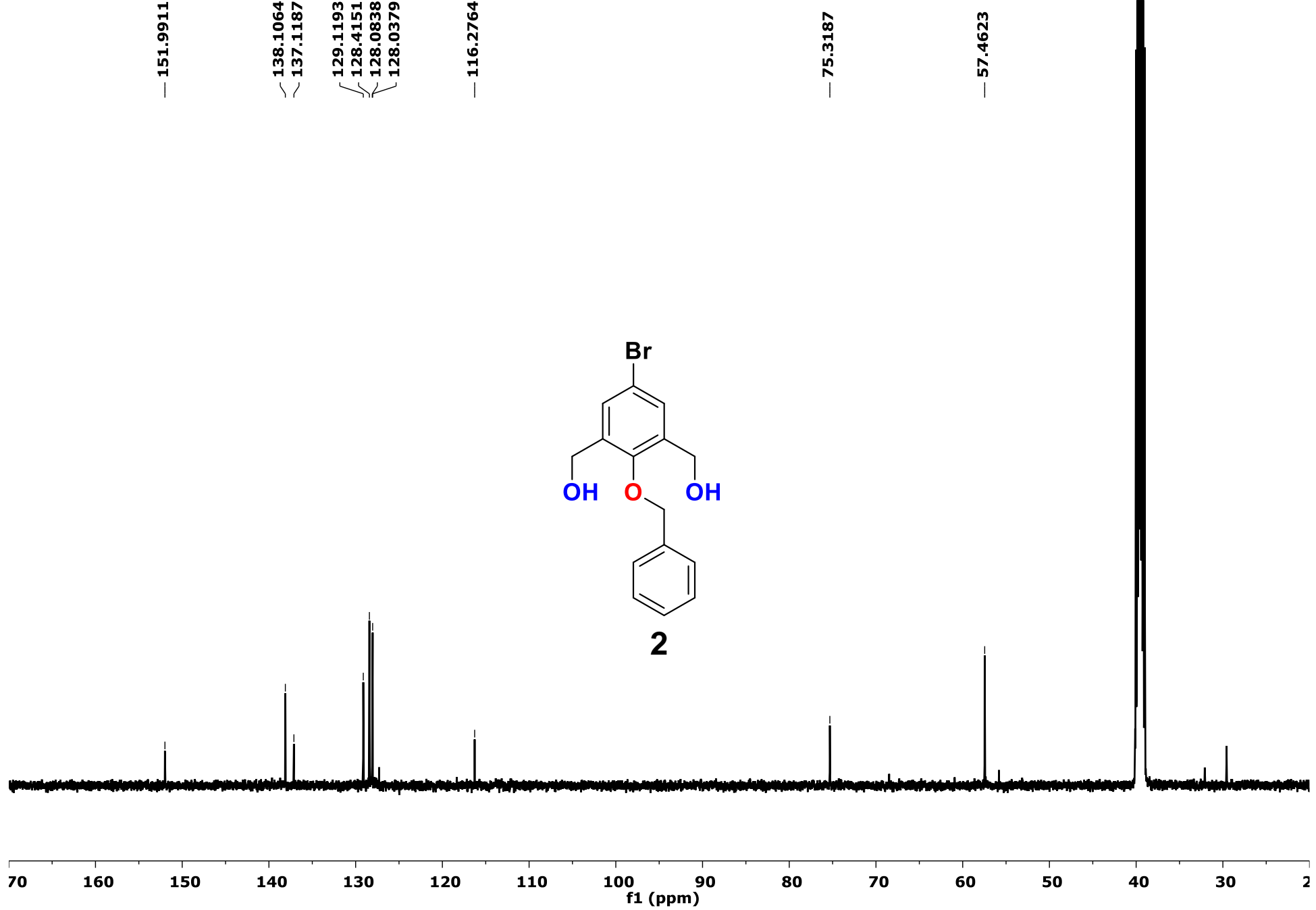
¹H NMR spectrum of compound 1 (MeOD-d₄, 500 MHz)



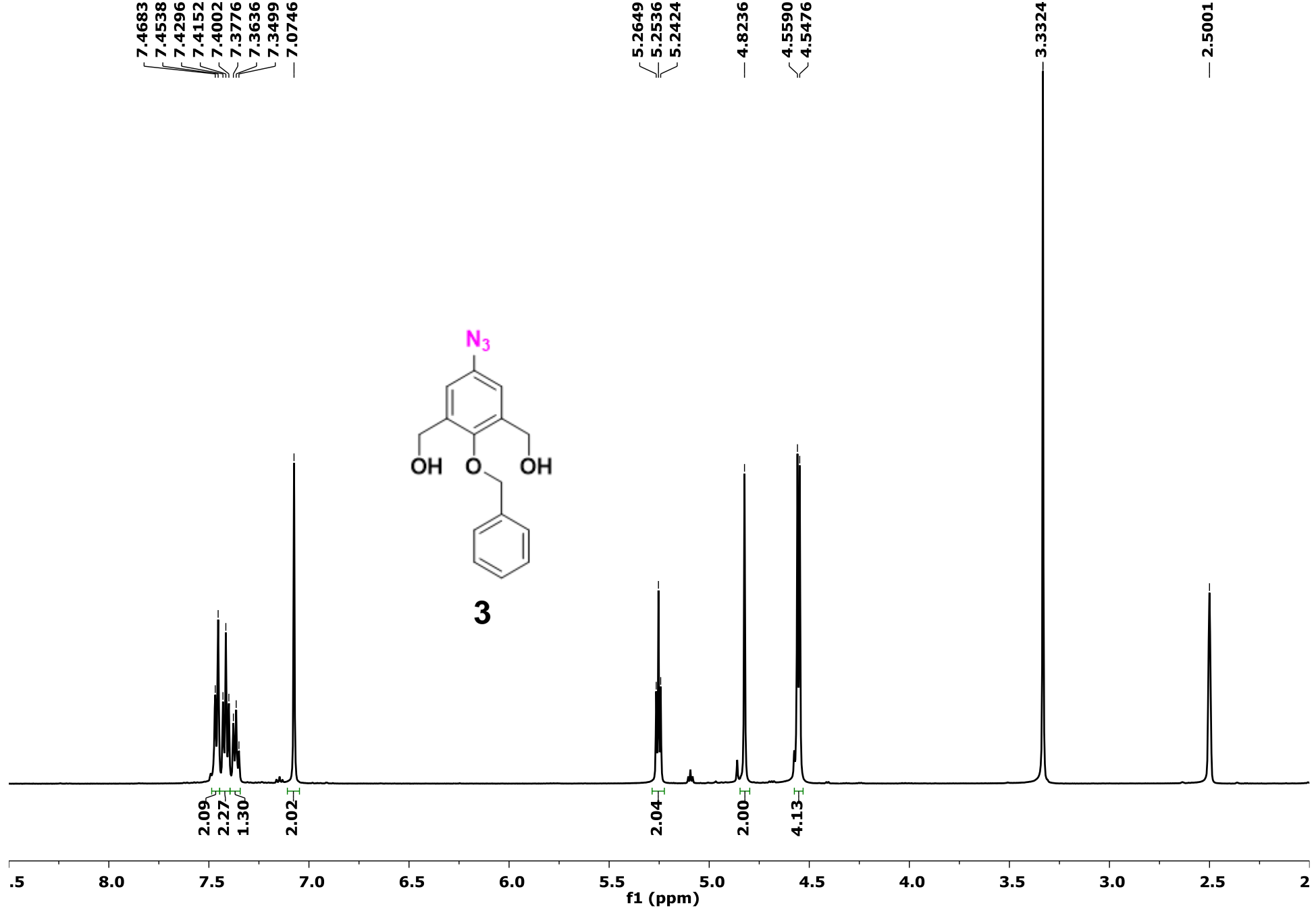
¹³C NMR spectrum of compound 1 (MeOD-*d*₄, 500 MHz)



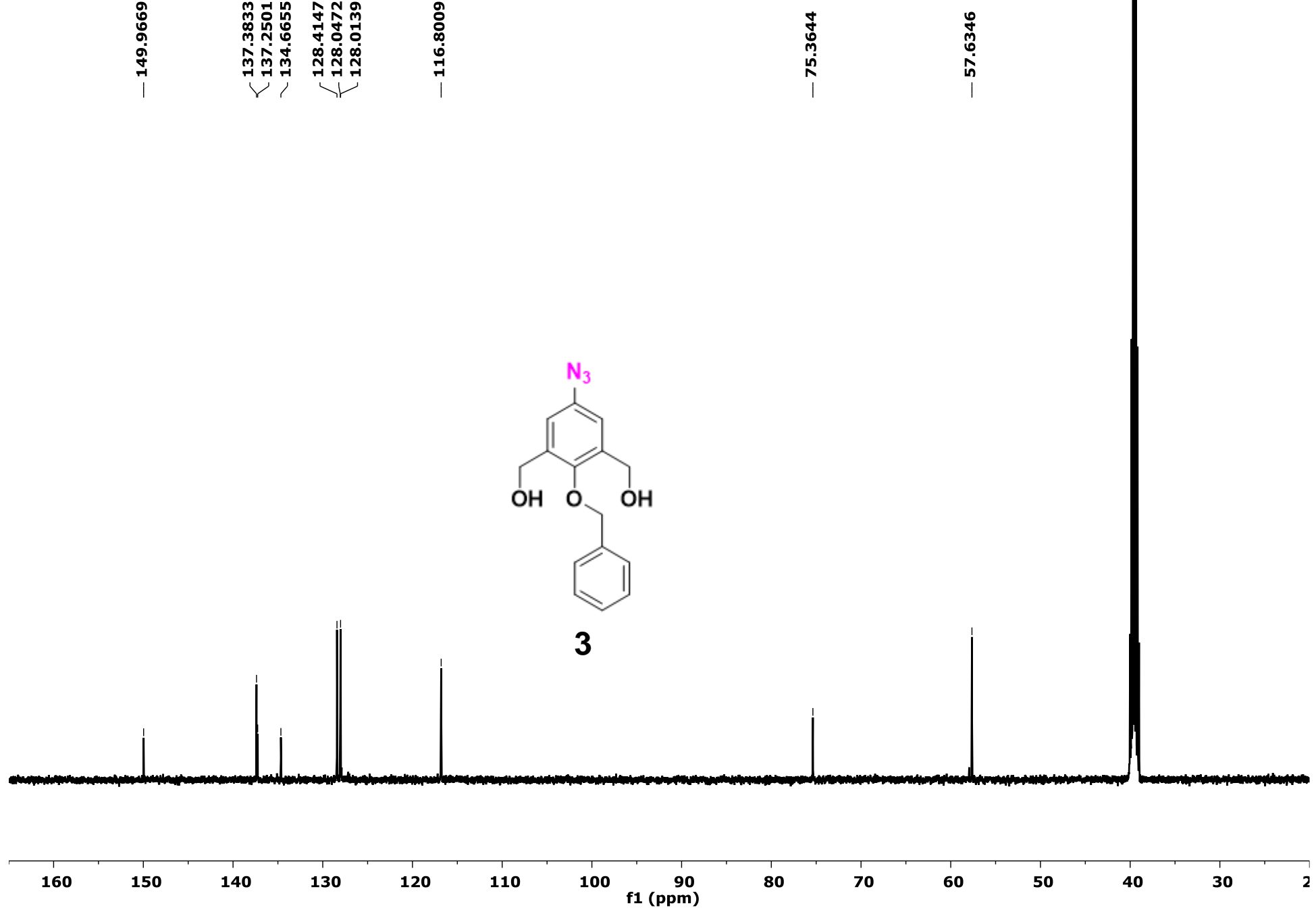
¹H NMR spectrum of compound 2 (DMSO-d₆, 500 MHz)



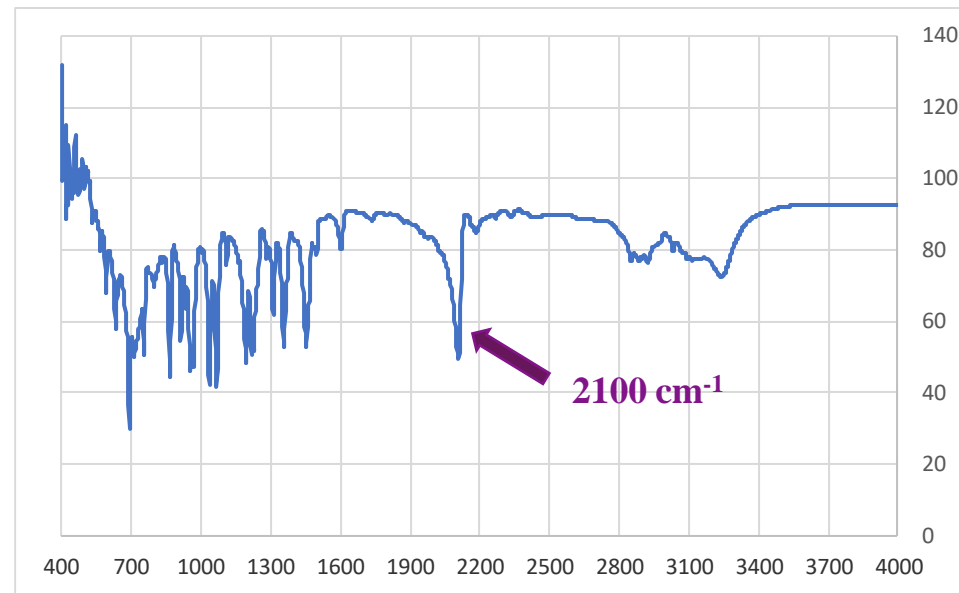
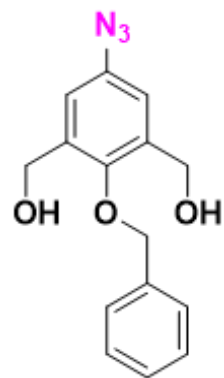
¹³C NMR spectrum of compound 2 (DMSO-*d*₆, 500 MHz)



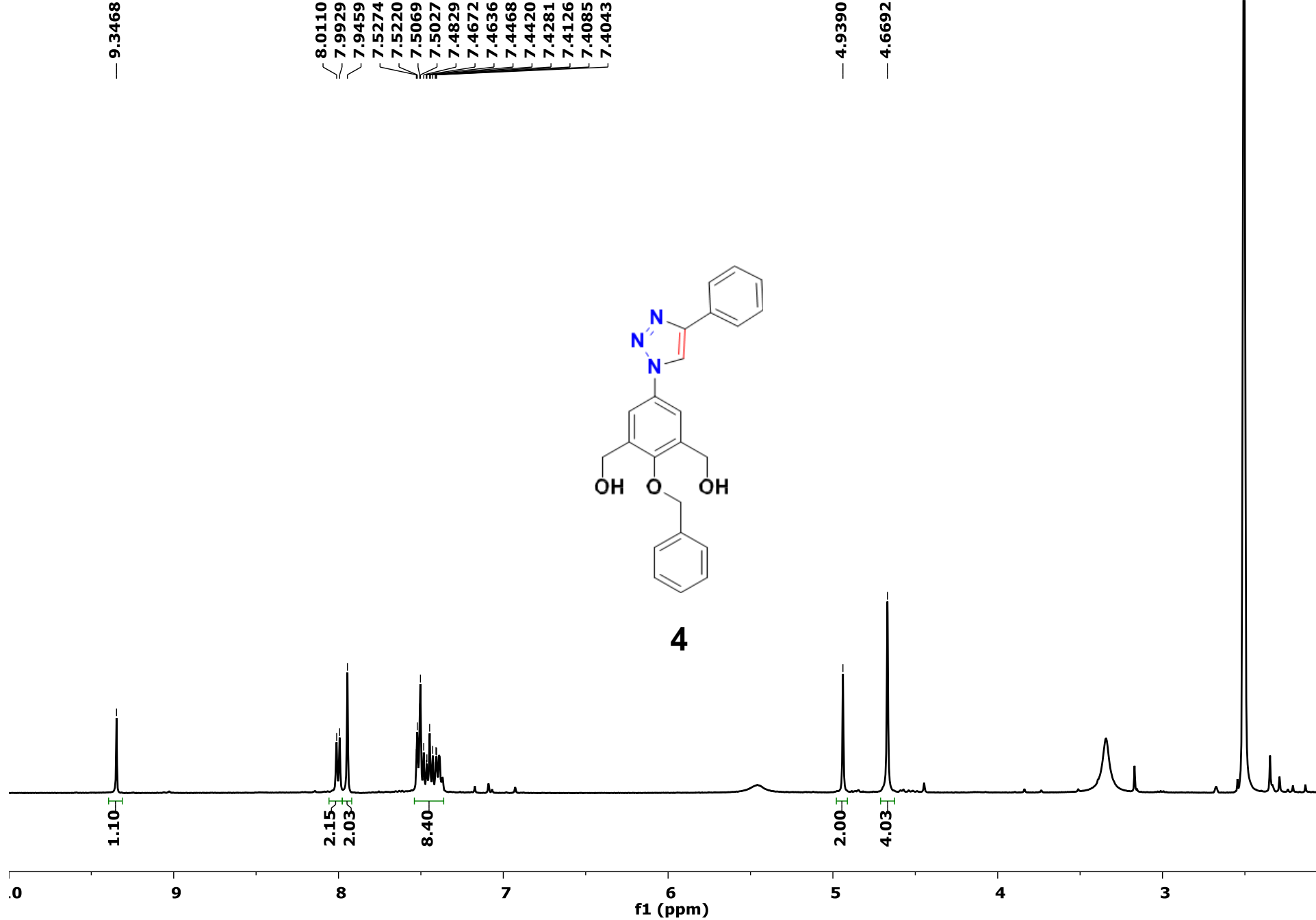
^1H NMR spectrum of compound 3 (DMSO- d_6 , 500 MHz)

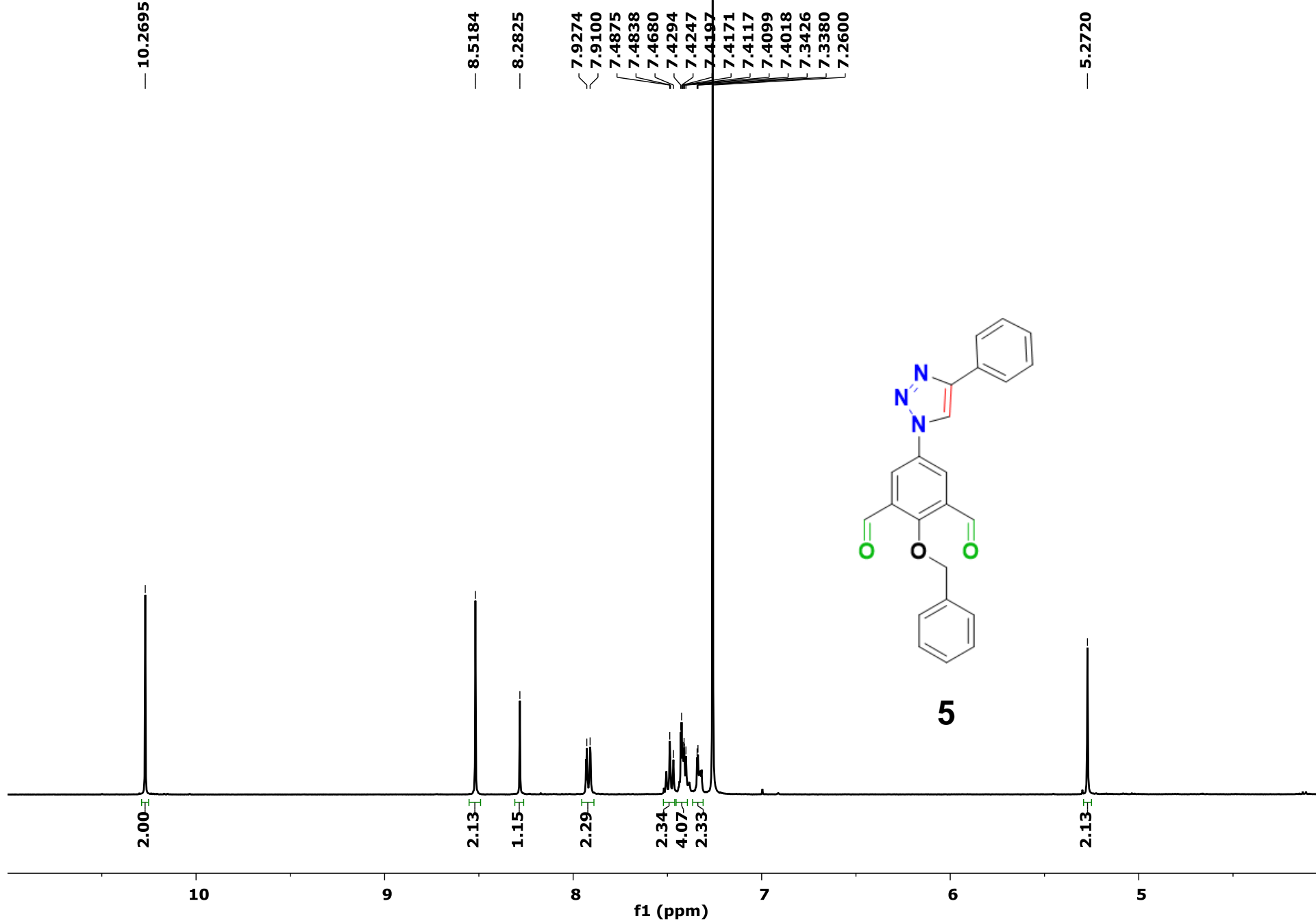


^{13}C NMR spectrum of compound 3 (DMSO- d_6 , 500 MHz)

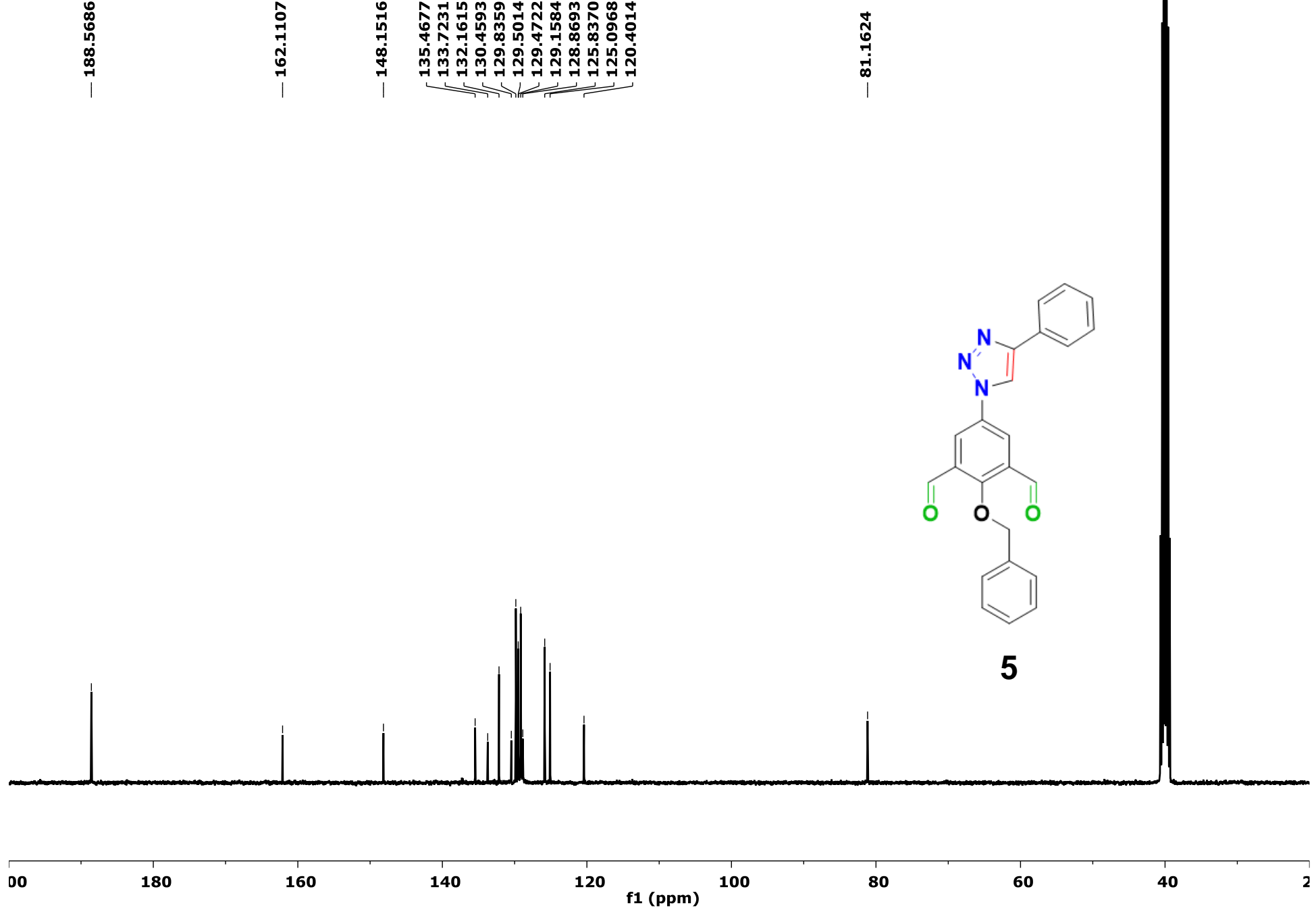


FTIR spectrum of compound 3

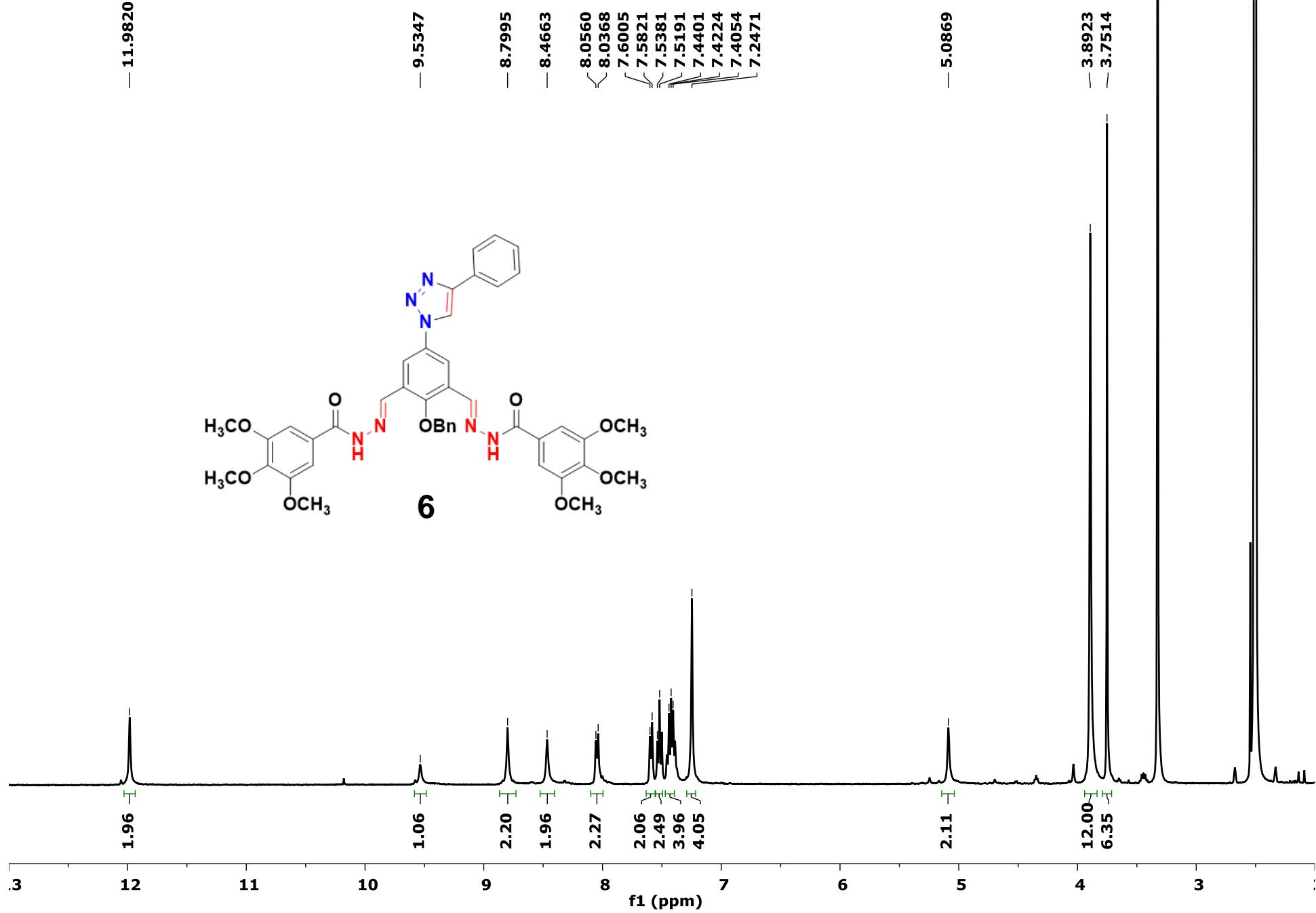




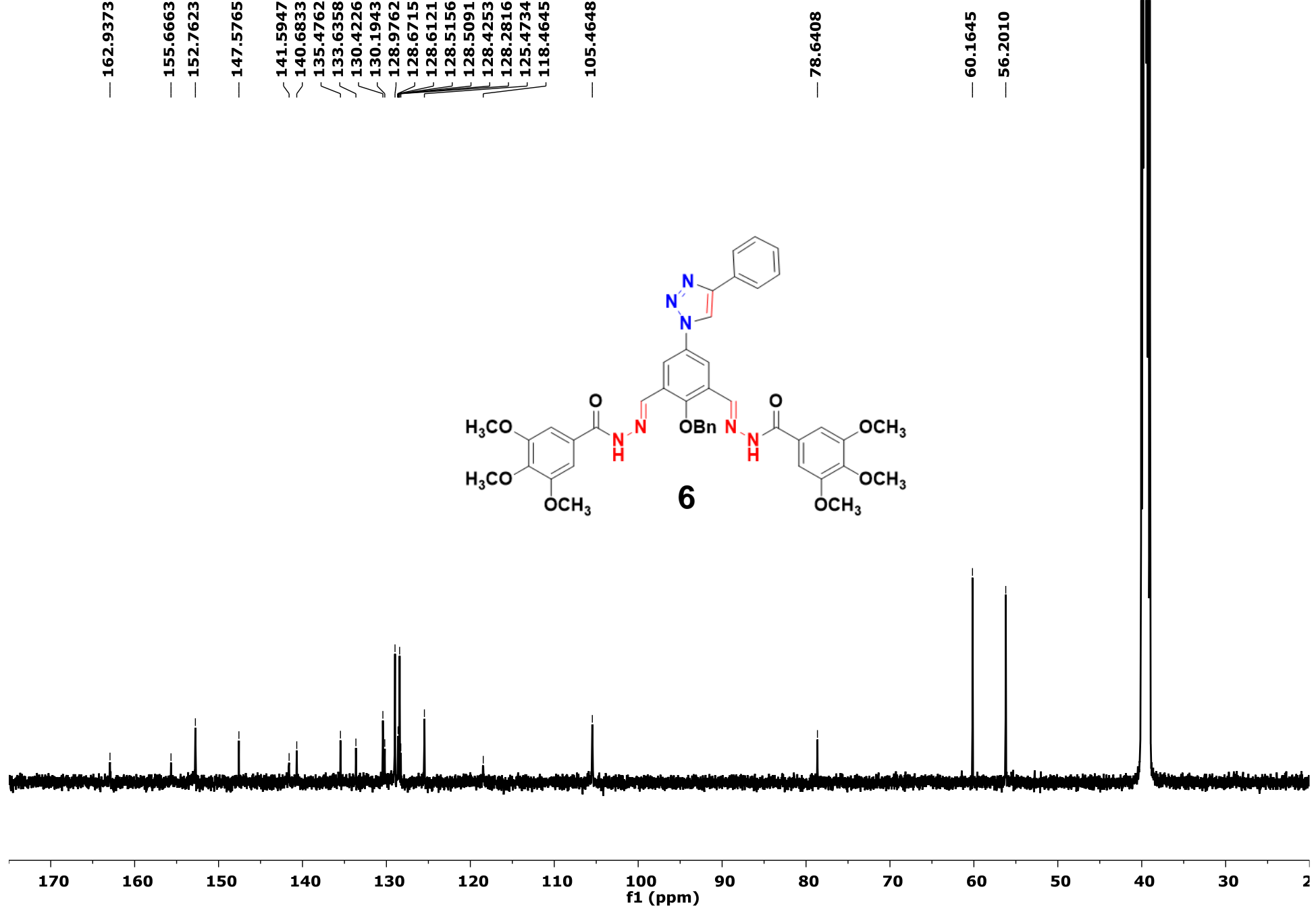
¹H NMR spectrum of compound 5b (CDCl₃, 500 MHz)



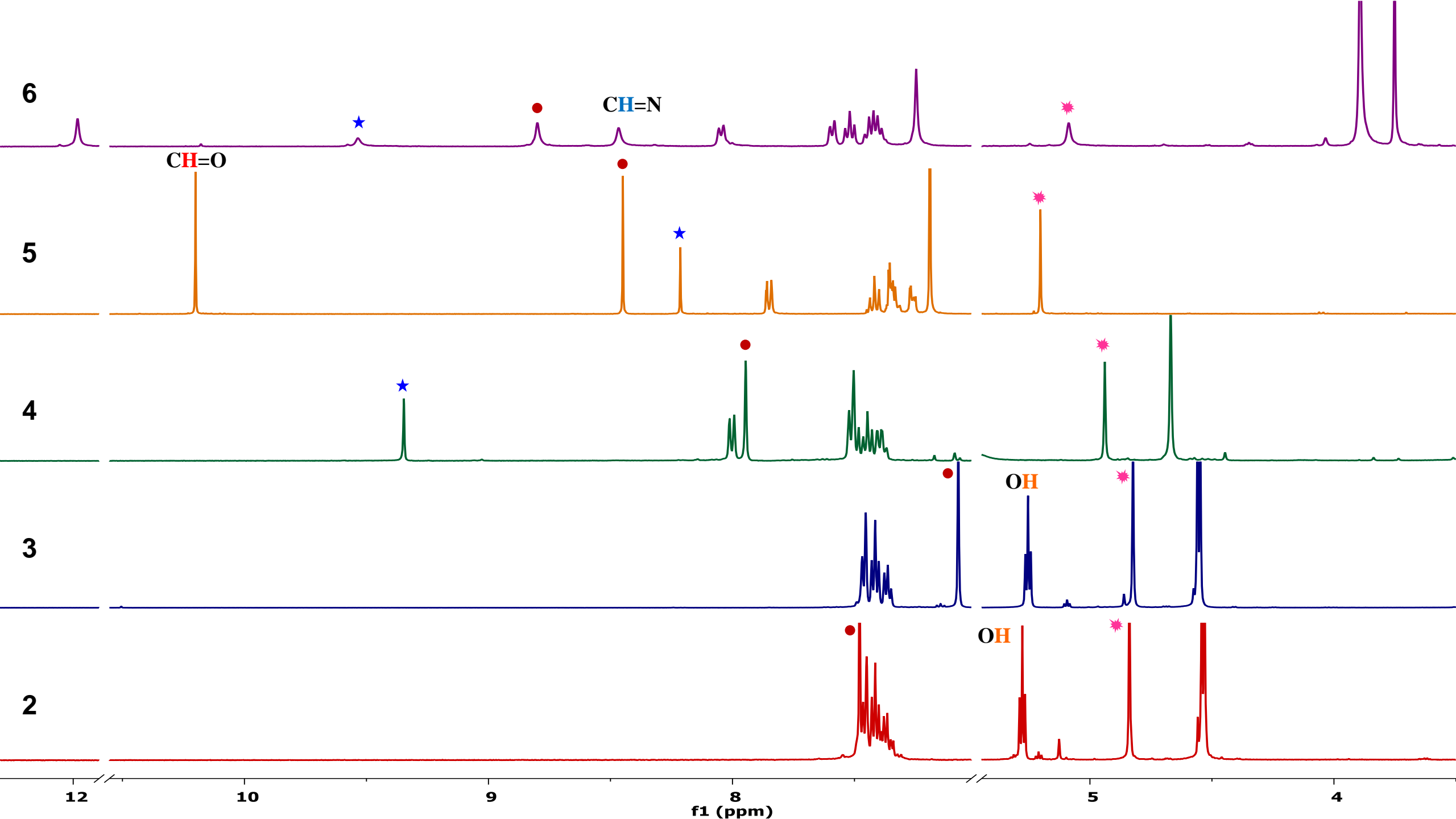
^{13}C NMR spectrum of compound 5b (DMSO- d_6 , 500 MHz)

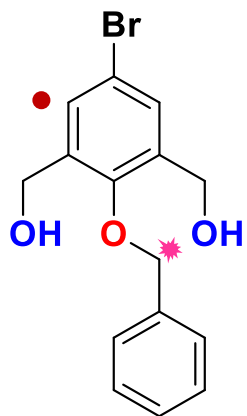


¹H NMR spectrum of compound 6 (DMSO-*d*₆, 500 MHz)

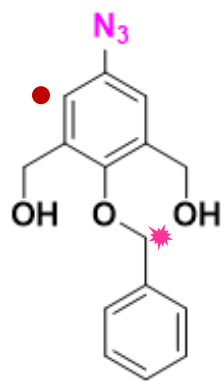


¹³C NMR spectrum of compound 6 (DMSO-*d*₆, 500 MHz)

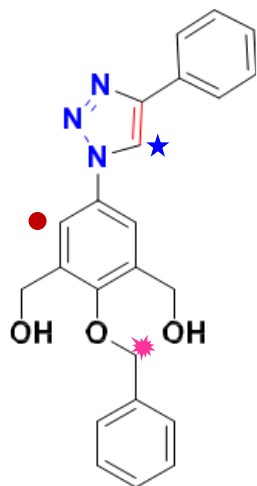




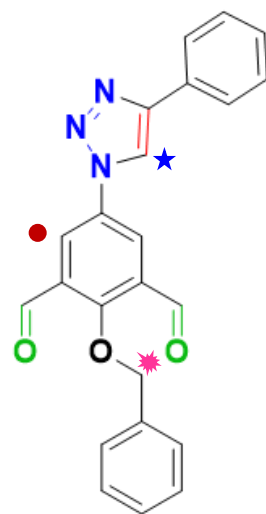
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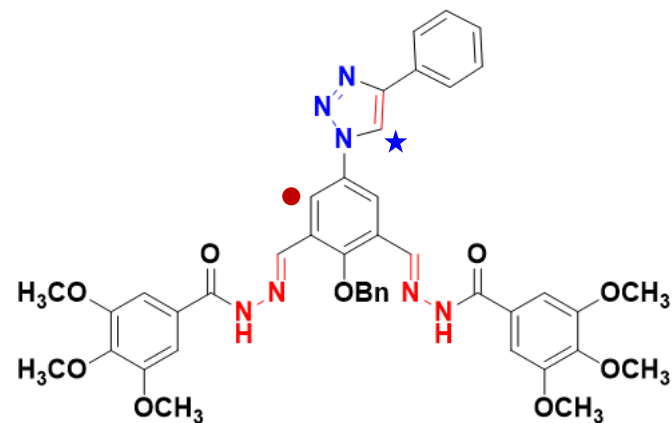
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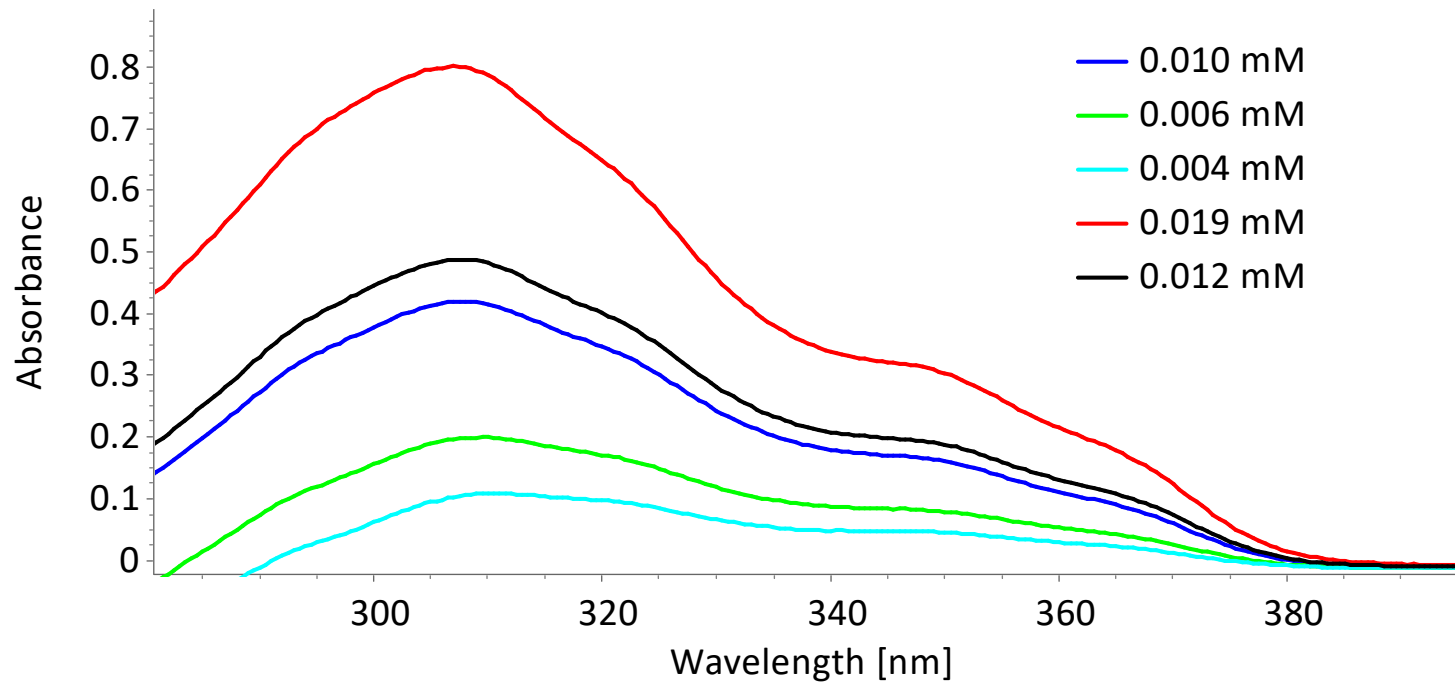
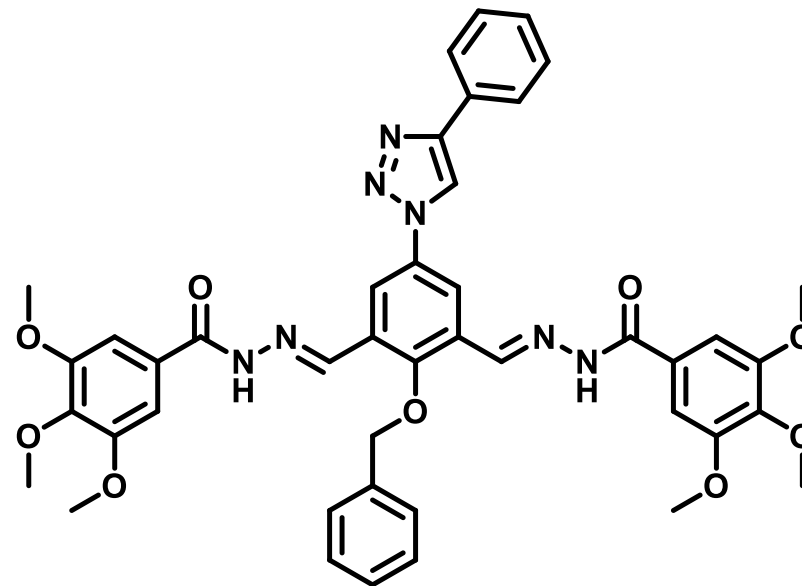
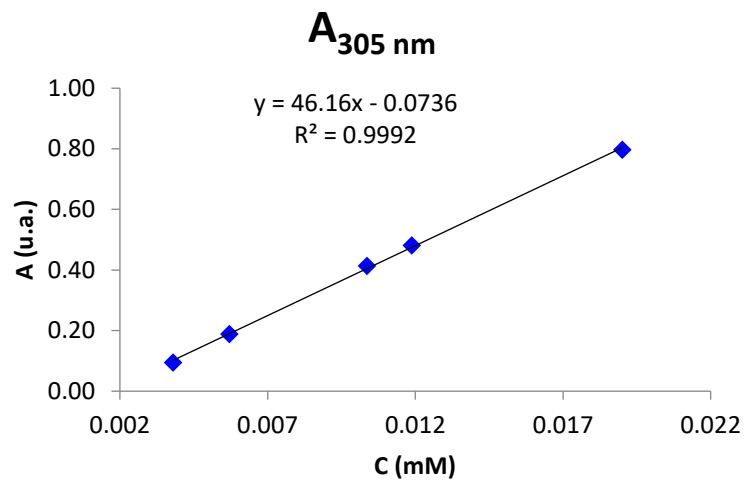
4



5



6



$\epsilon = 39433 \text{ M}^{-1}\text{cm}^{-1}$
 RSD = 1.83%