

# Alternative access to functionalized 2,8-ethanonoradamantane derivatives

Pelayo Camps<sup>1,\*</sup>, Tània Gómez<sup>2</sup>, Ane Otermin<sup>2</sup> and Mercè Font-Bardia<sup>2,3</sup>

<sup>1</sup> Laboratori de Química Farmacèutica (Unitat Associada al CSIC), Facultat de Farmàcia i Ciències de la Alimentació and Institut de Biomedicina (IBUB), Universitat de Barcelona, Av. Joan XXIII 27–31, Barcelona 08028, Spain;  
[tania\\_gomeznadal@hotmail.com](mailto:tania_gomeznadal@hotmail.com) (T.G.); [aneoterm@gmail.com](mailto:aneoterm@gmail.com) (A. O.)

<sup>2</sup> Departament de Mineralogia, Petrologia i Geologia Aplicada, Universitat de Barcelona, Martí Franquès s/n, Barcelona 08028, Spain

<sup>3</sup> Unitat de Difracció de RX, Centres Científics i Tecnològics de la Universitat de Barcelona (CCiTUB), Solé i Sabaris 1–3, Barcelona 08028, Spain; [mercef@ccit.ub.edu](mailto:mercef@ccit.ub.edu)

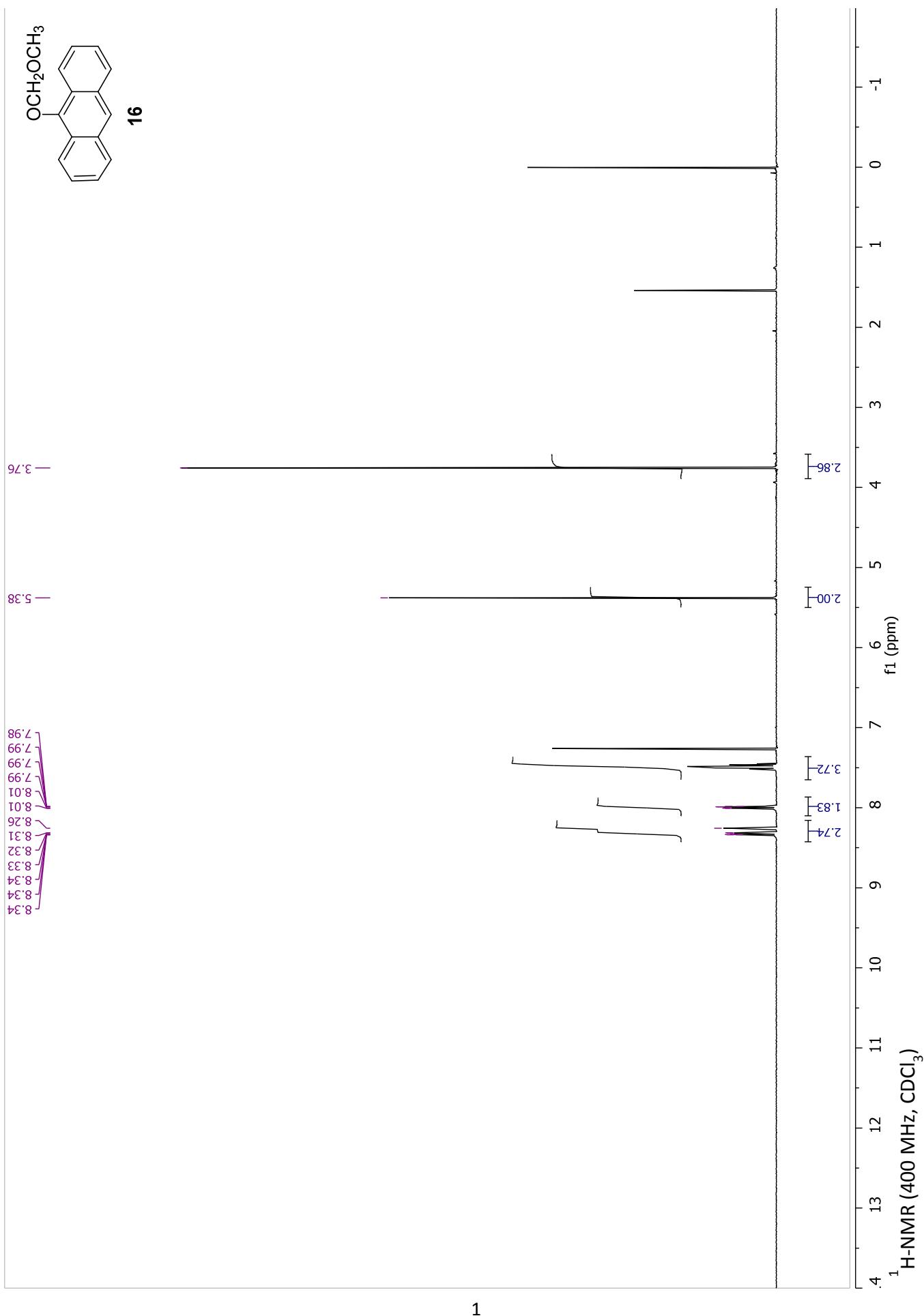
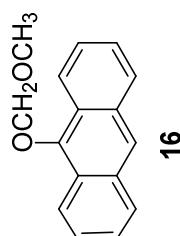
\* Correspondence: camps@ub.edu; Tel.: +34-934-024-536

## SUPPORTING INFORMATION

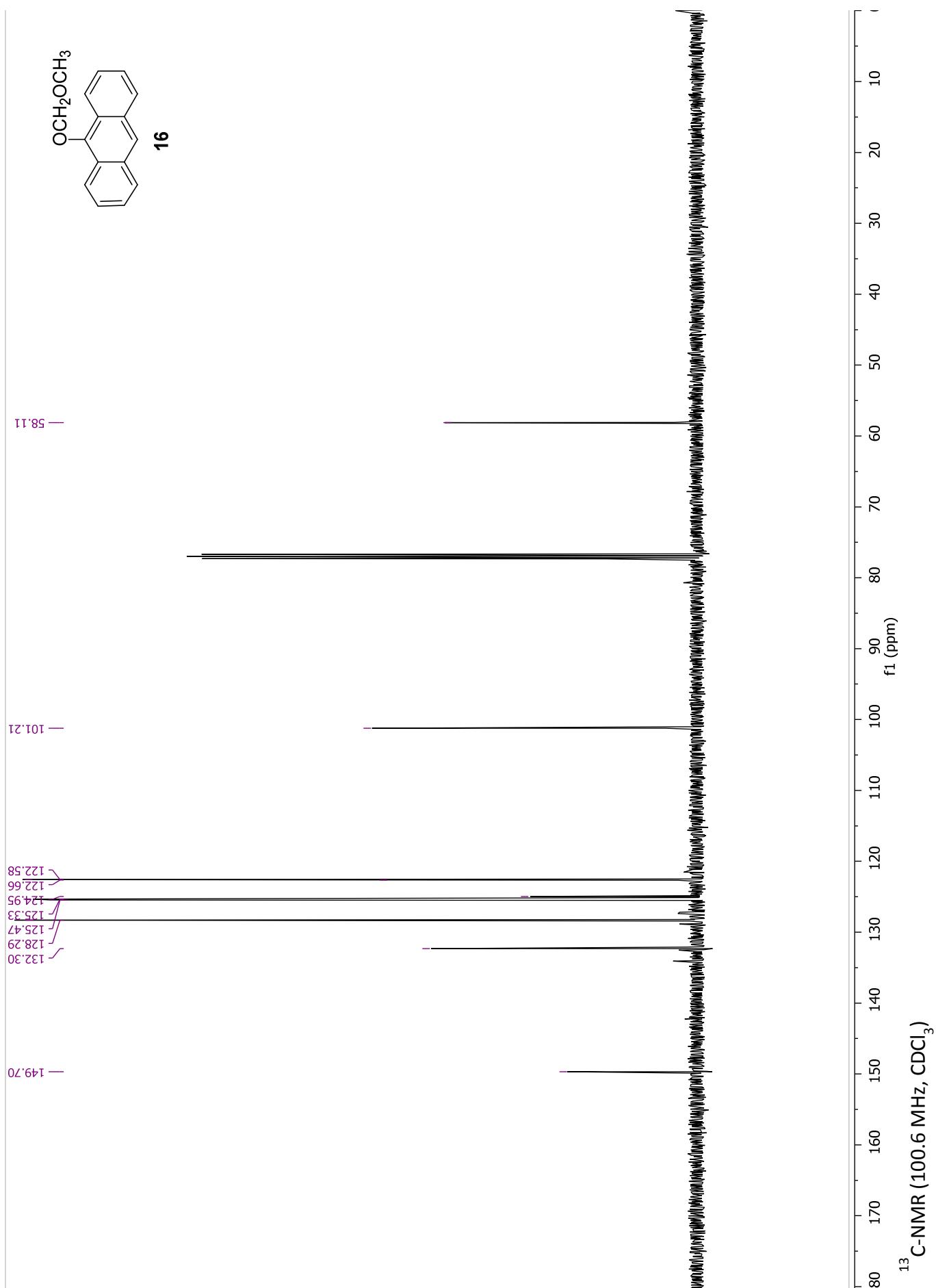
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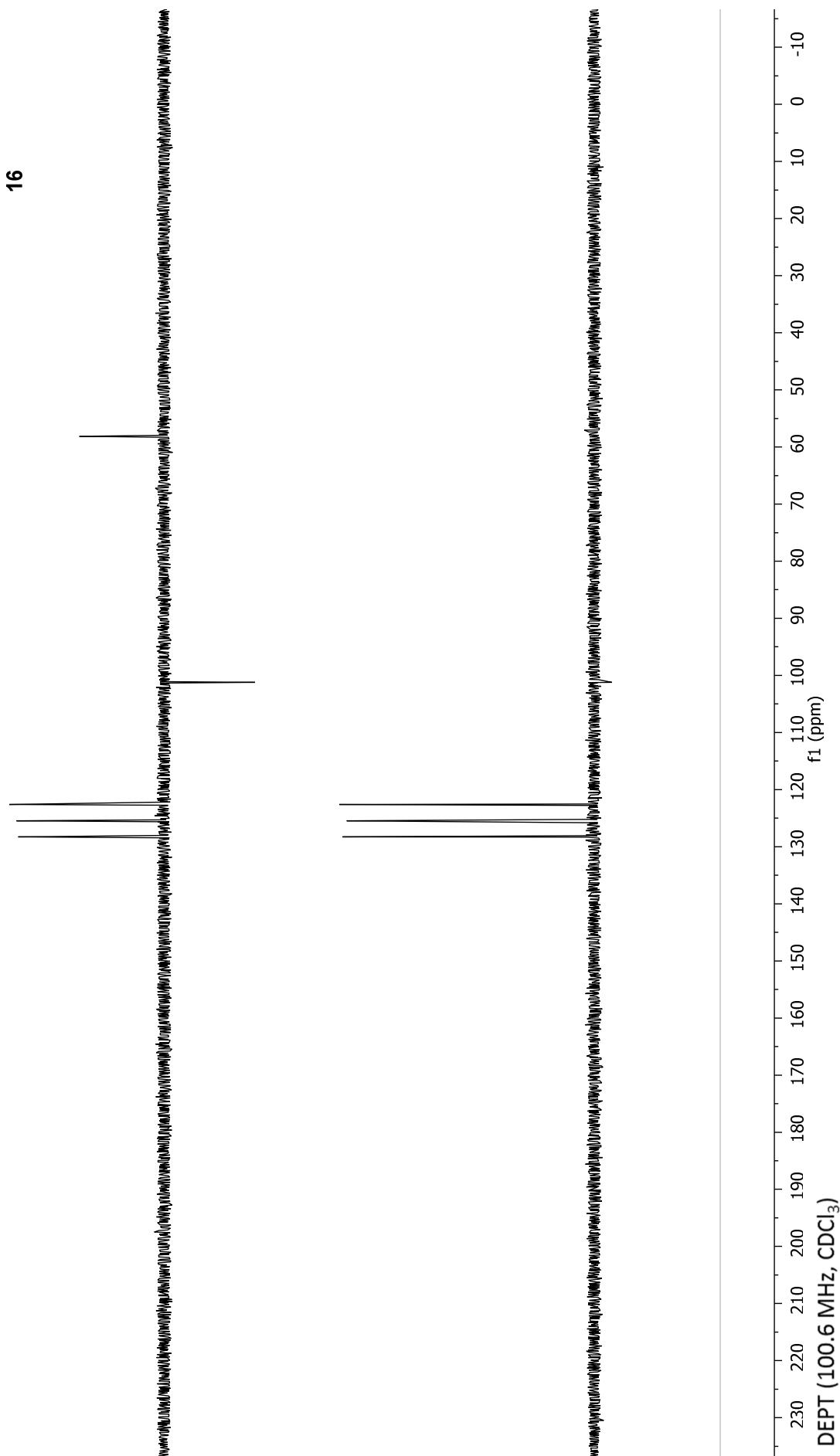
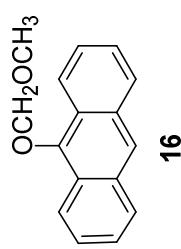
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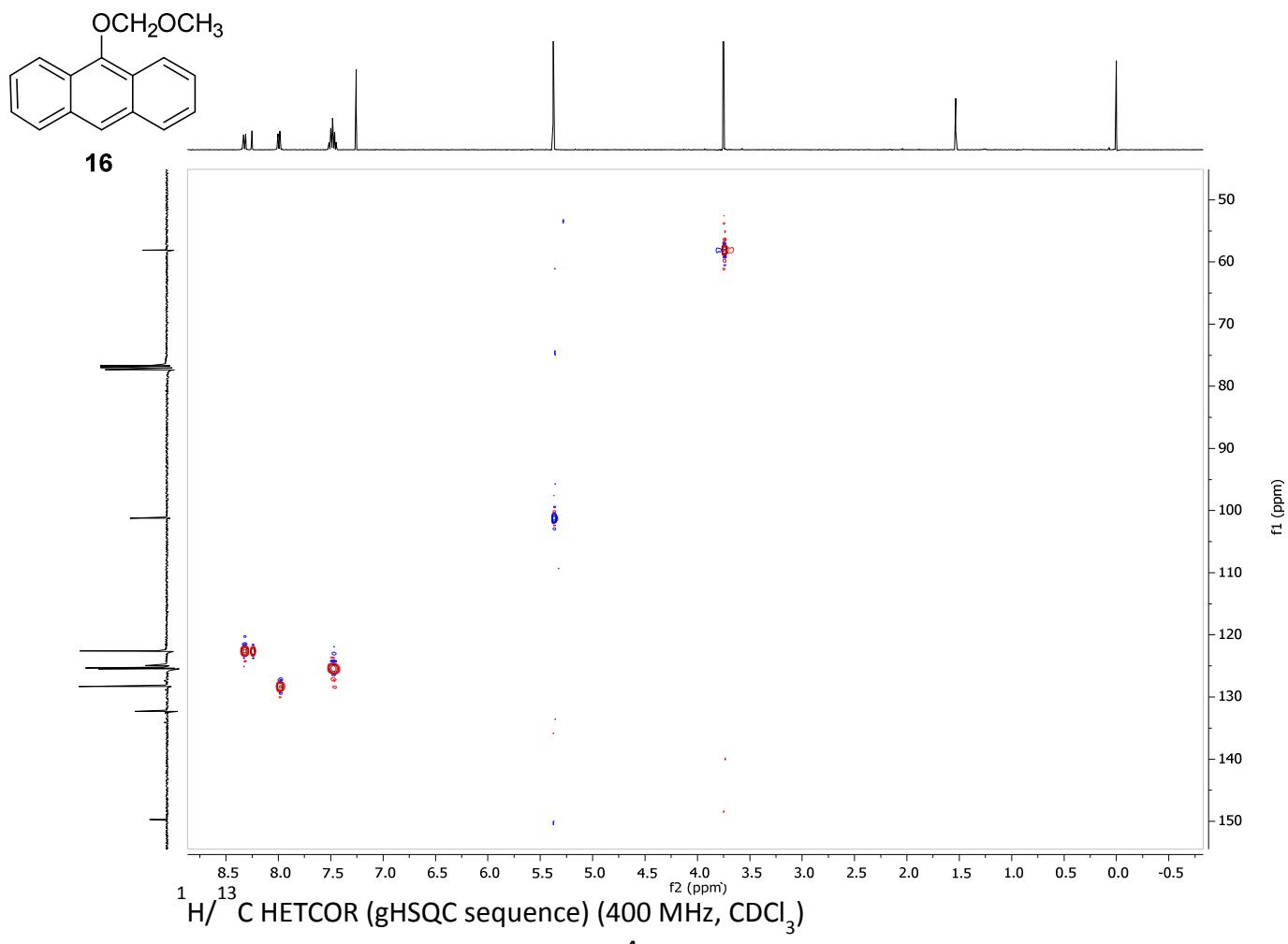
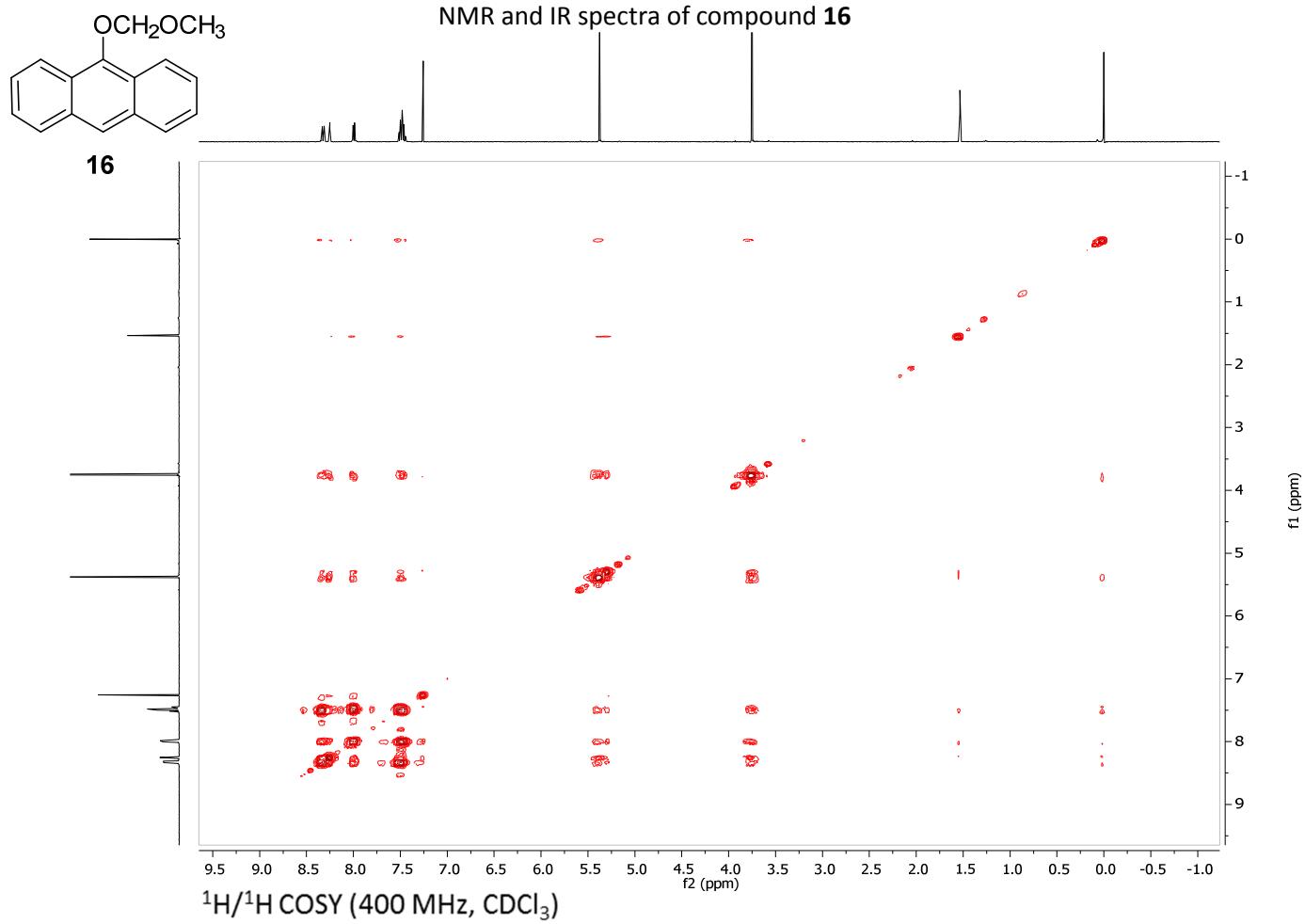


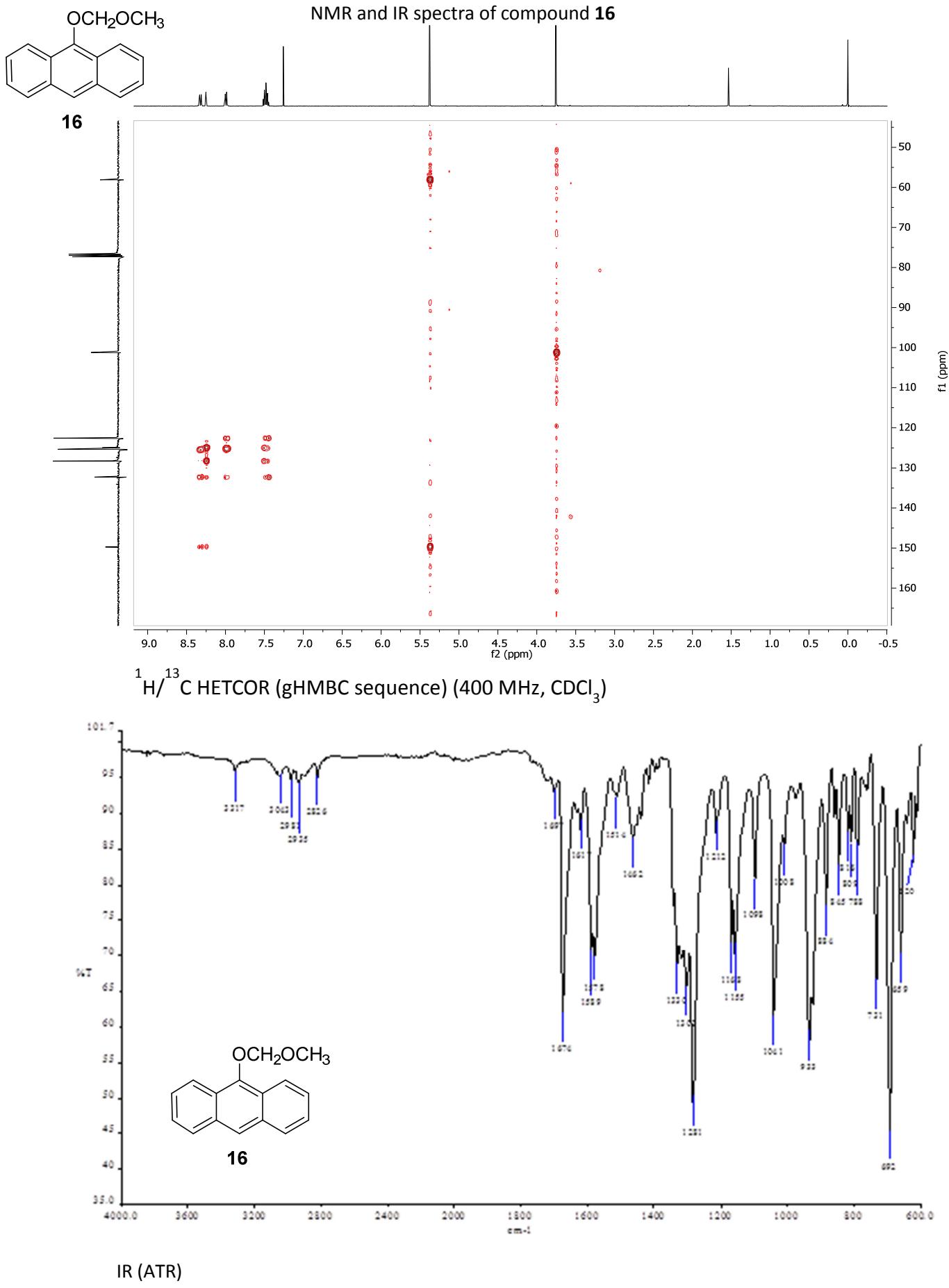
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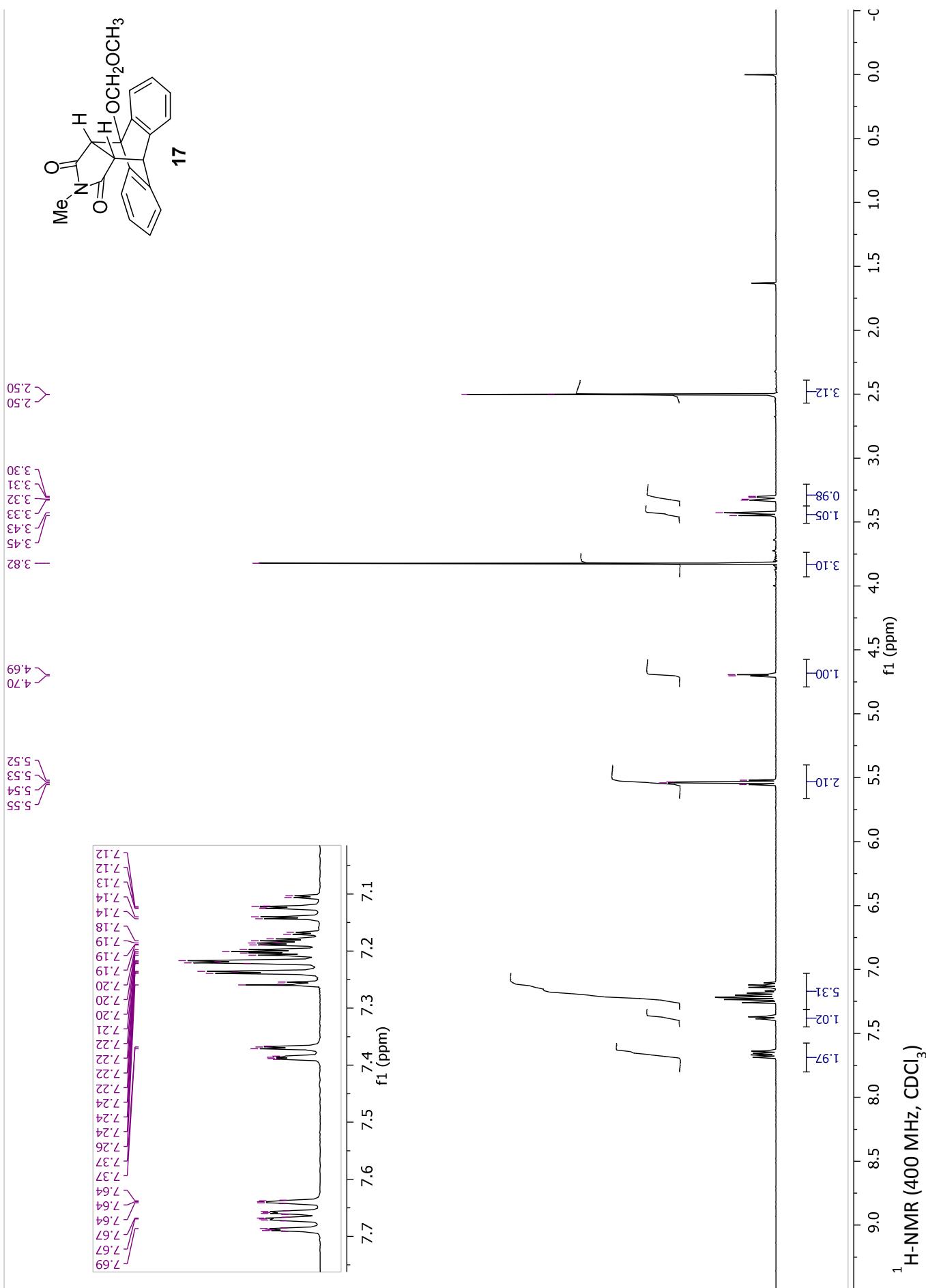
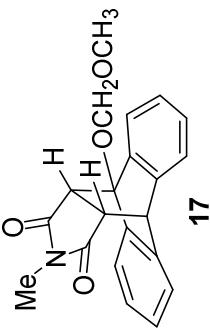
NMR and IR spectra of compound **16**



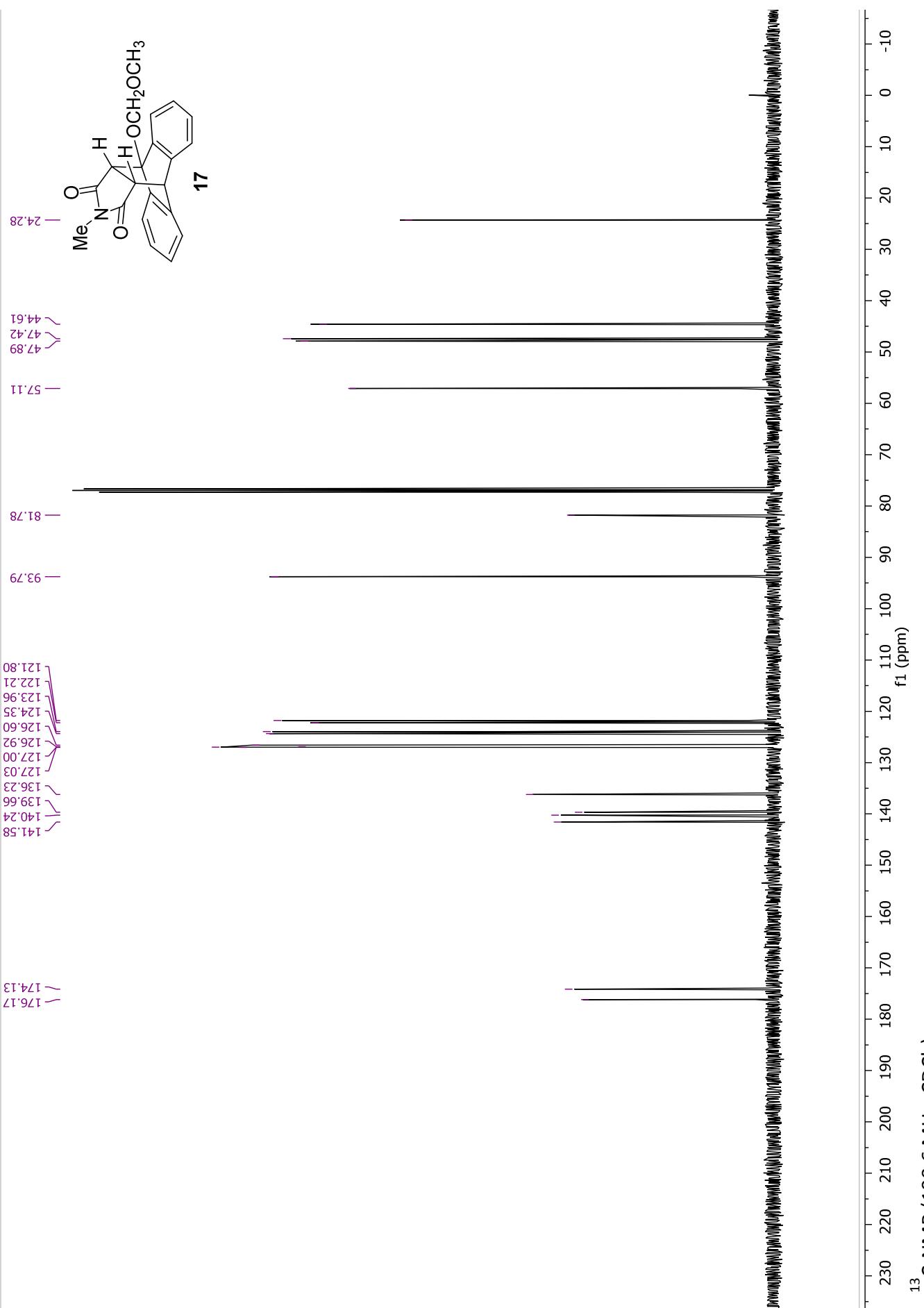




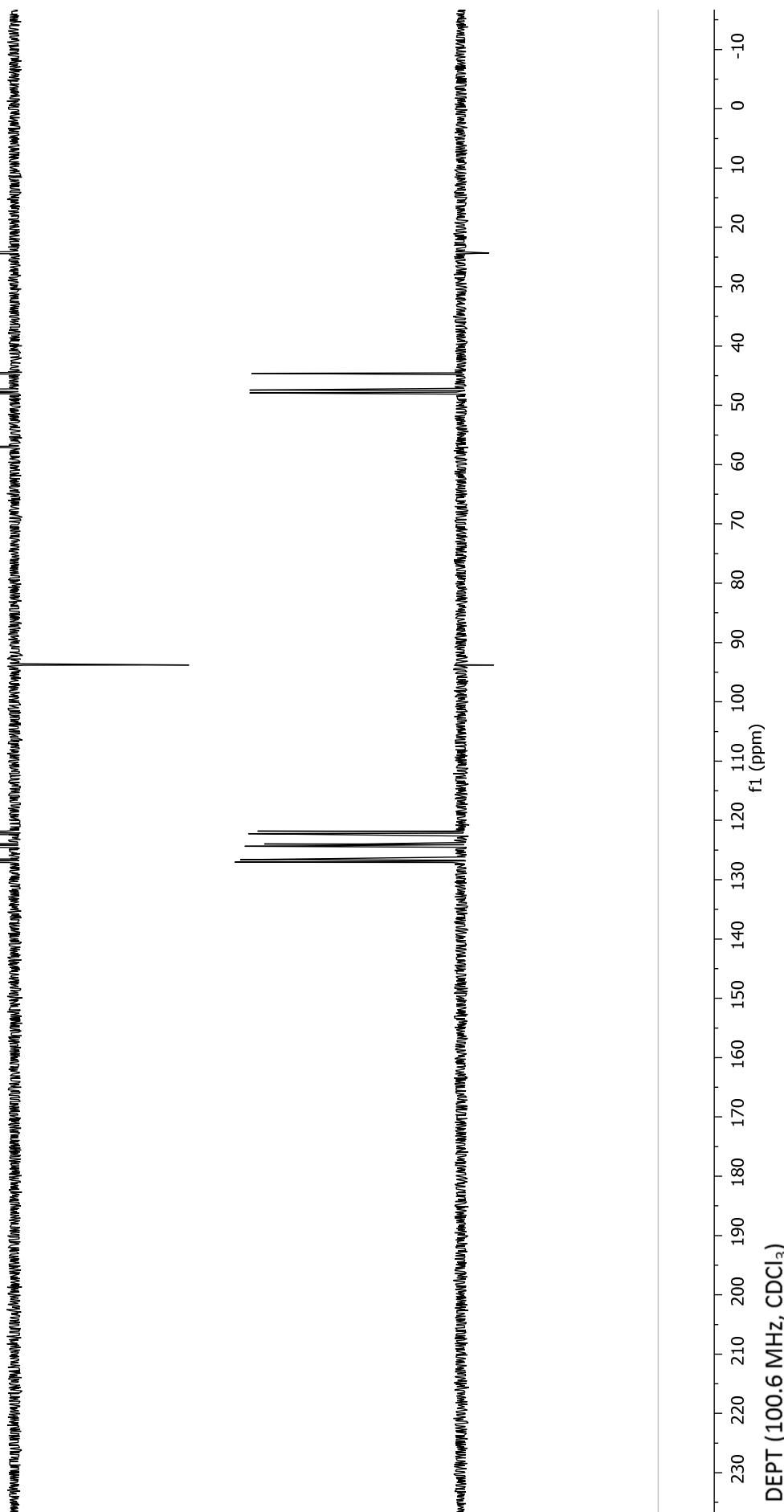
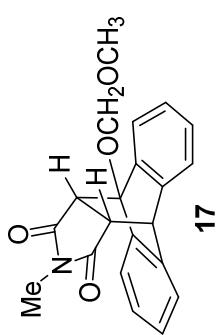
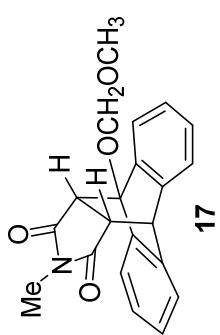
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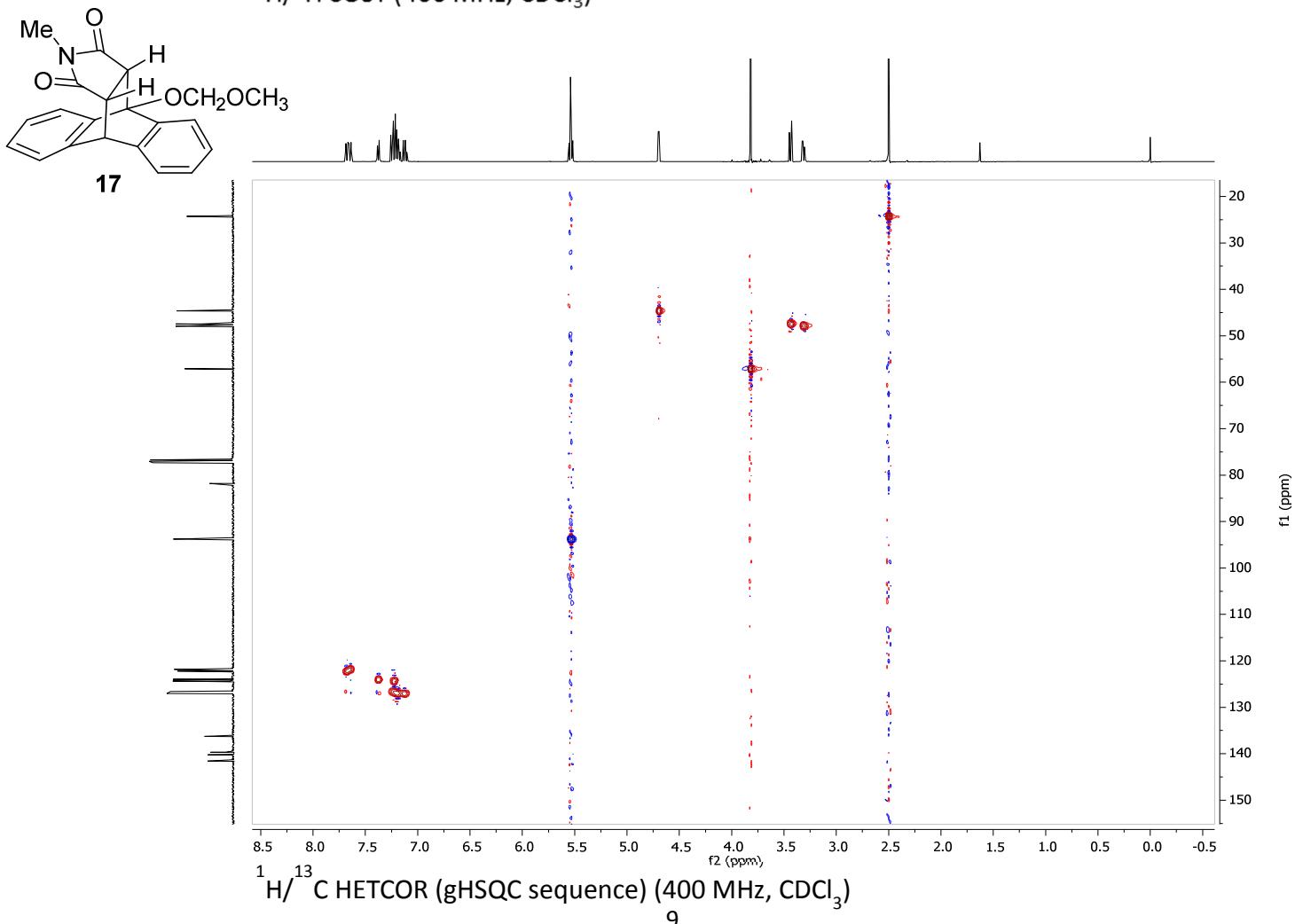
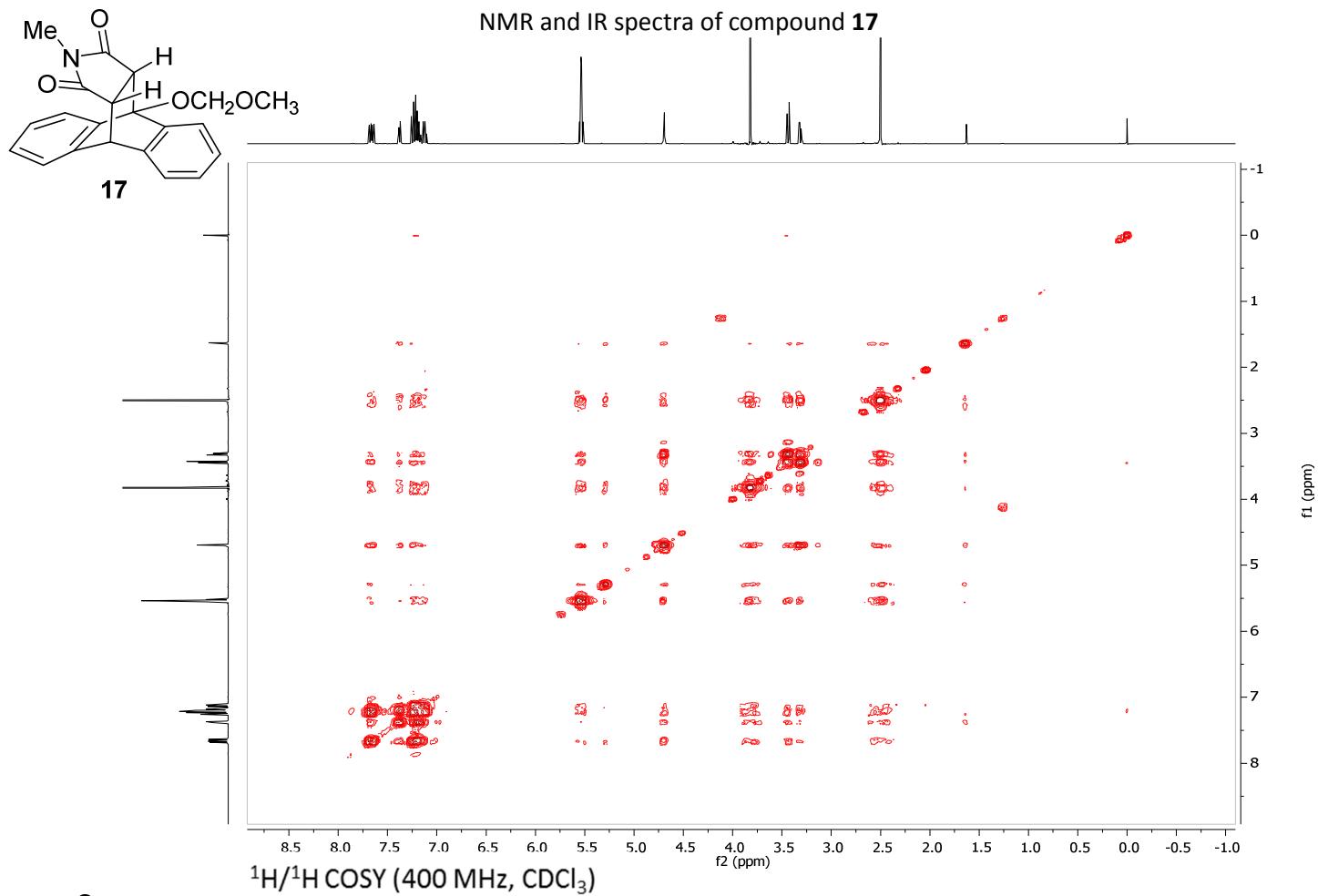
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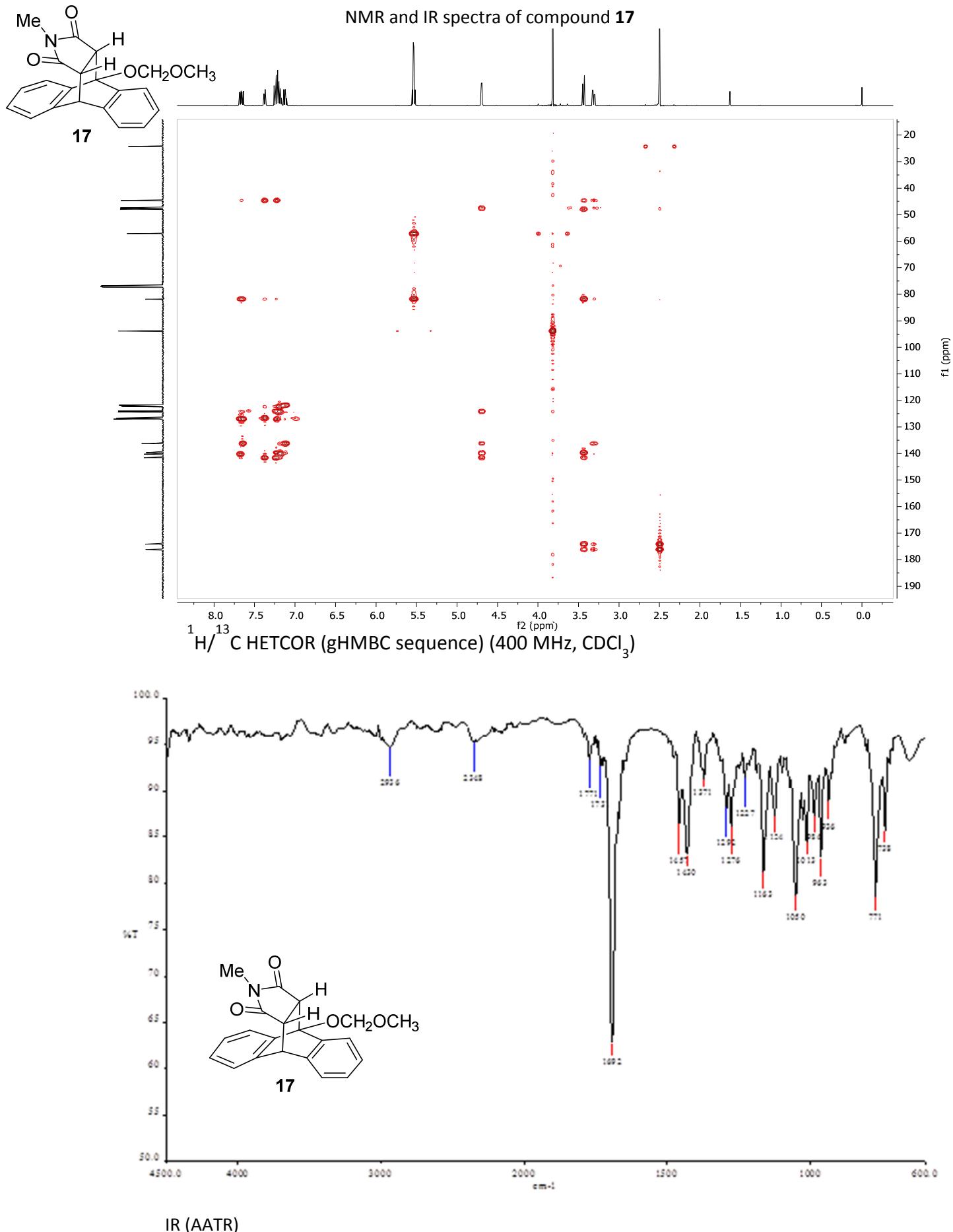
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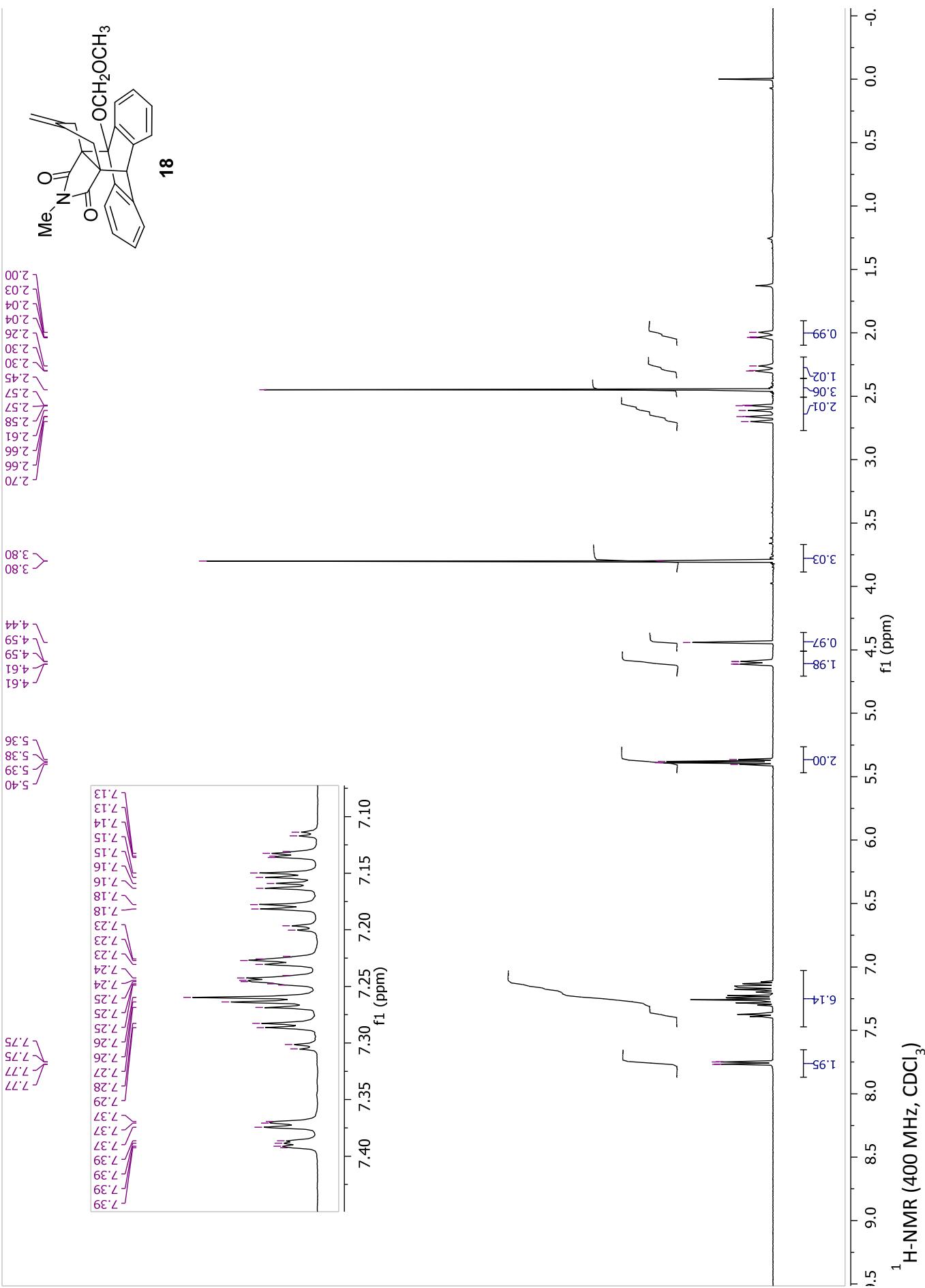
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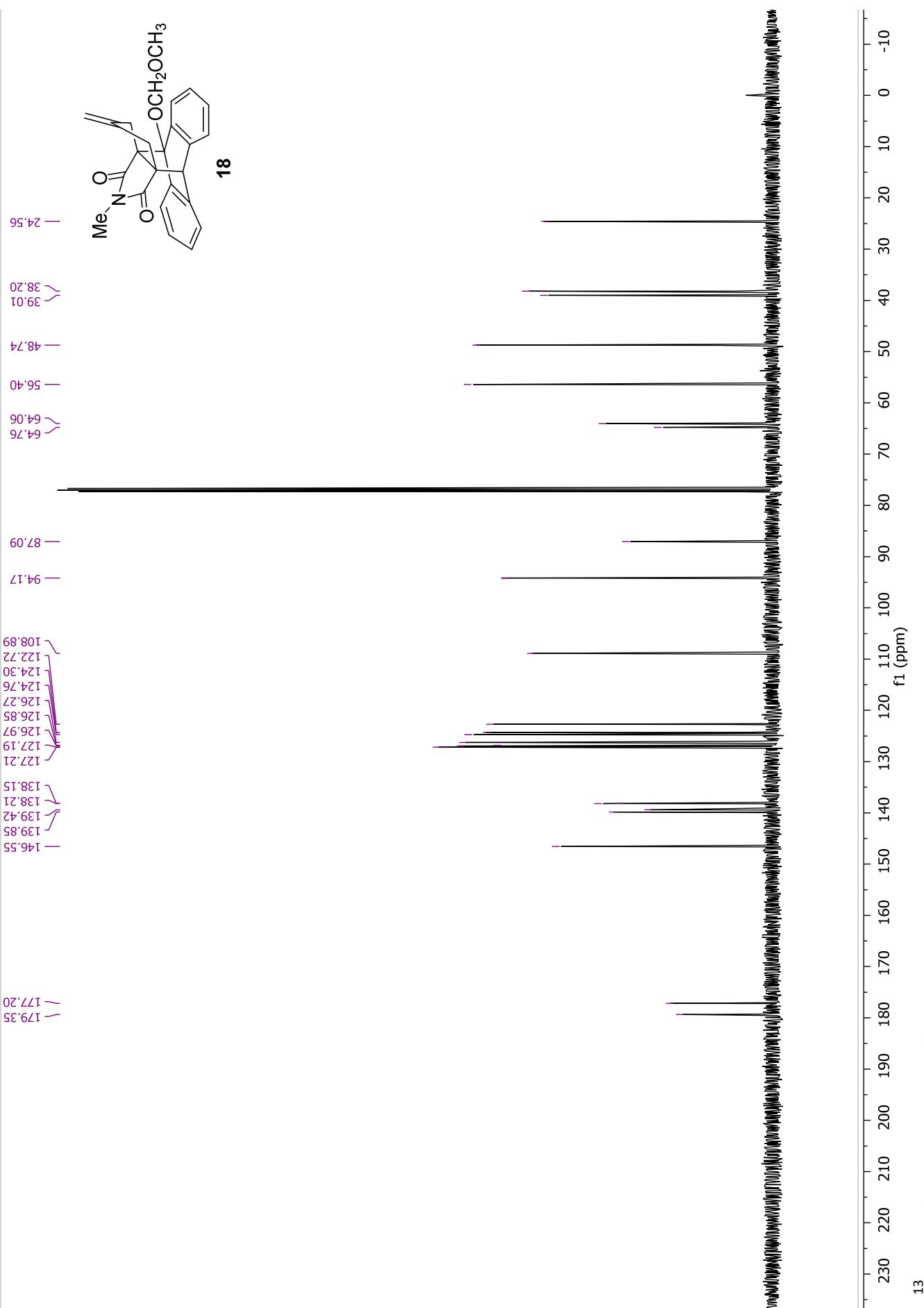
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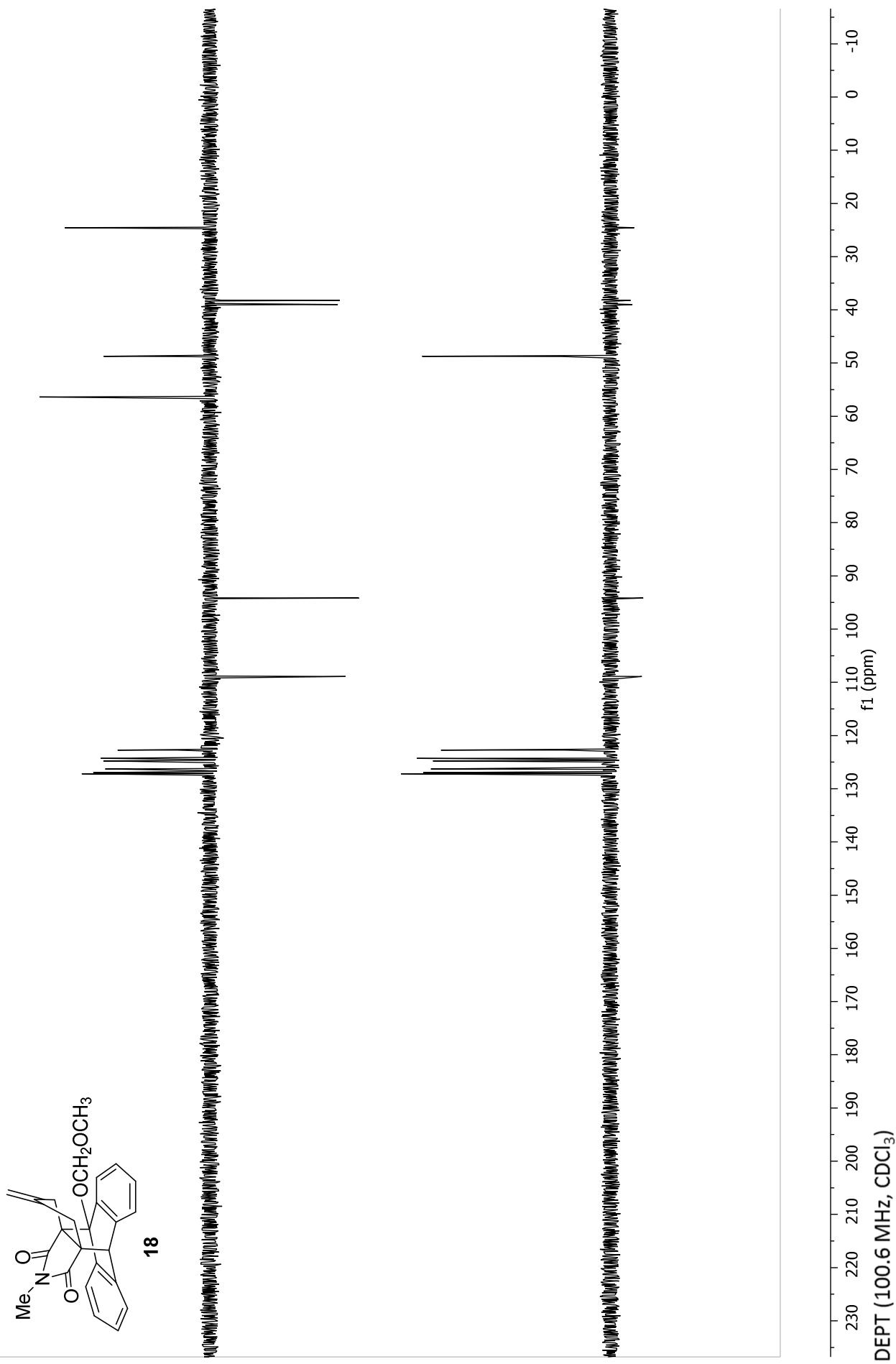
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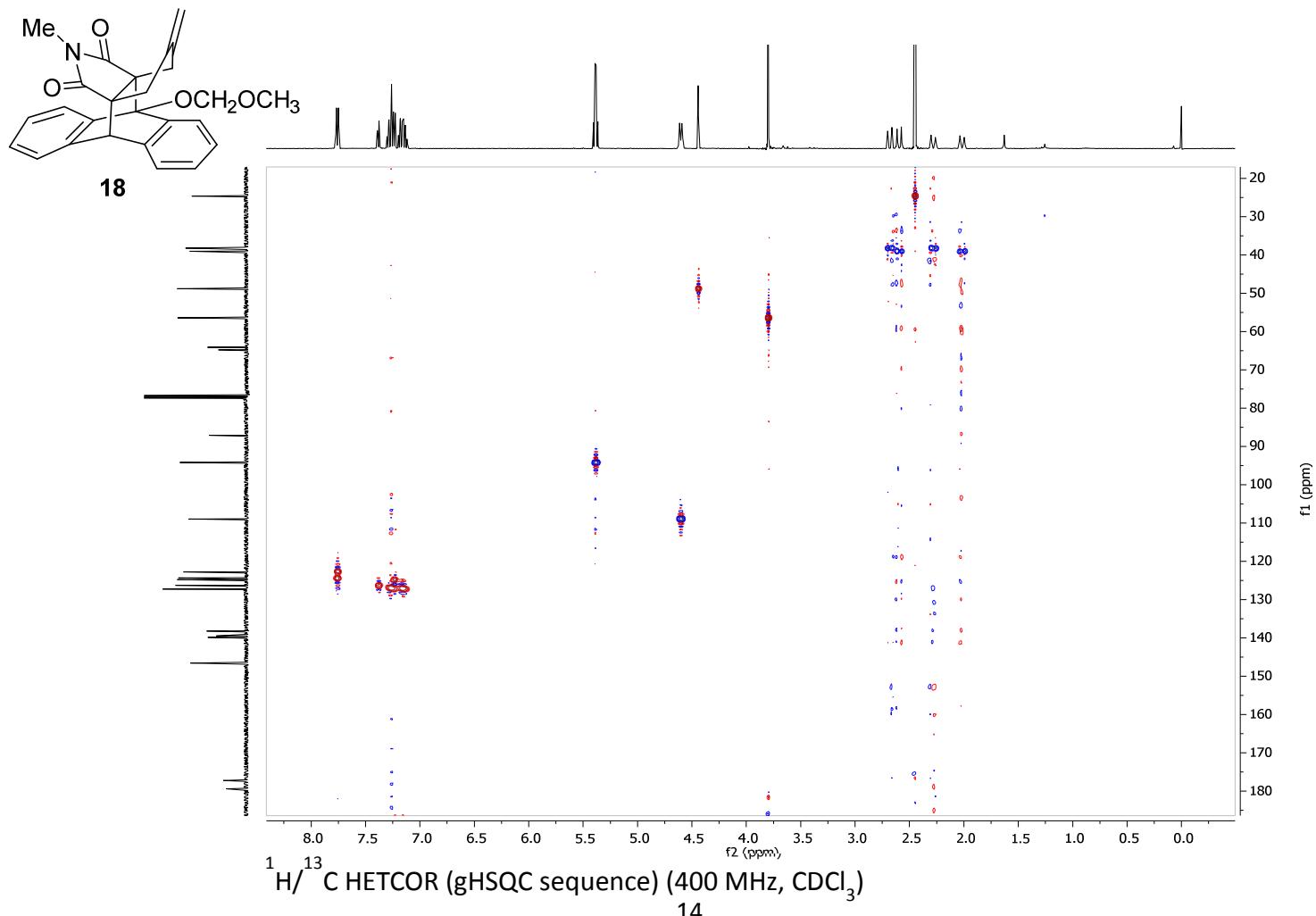
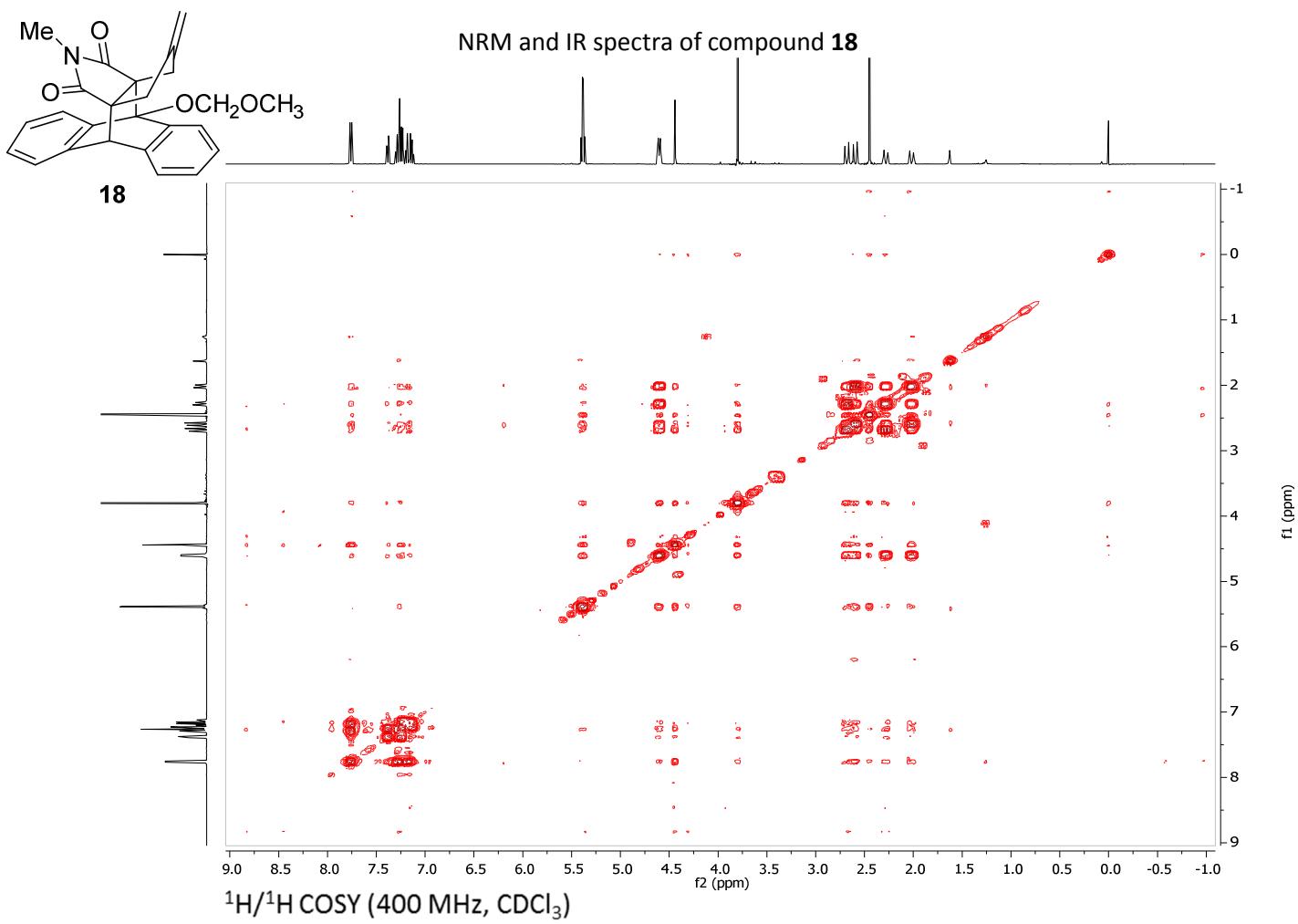
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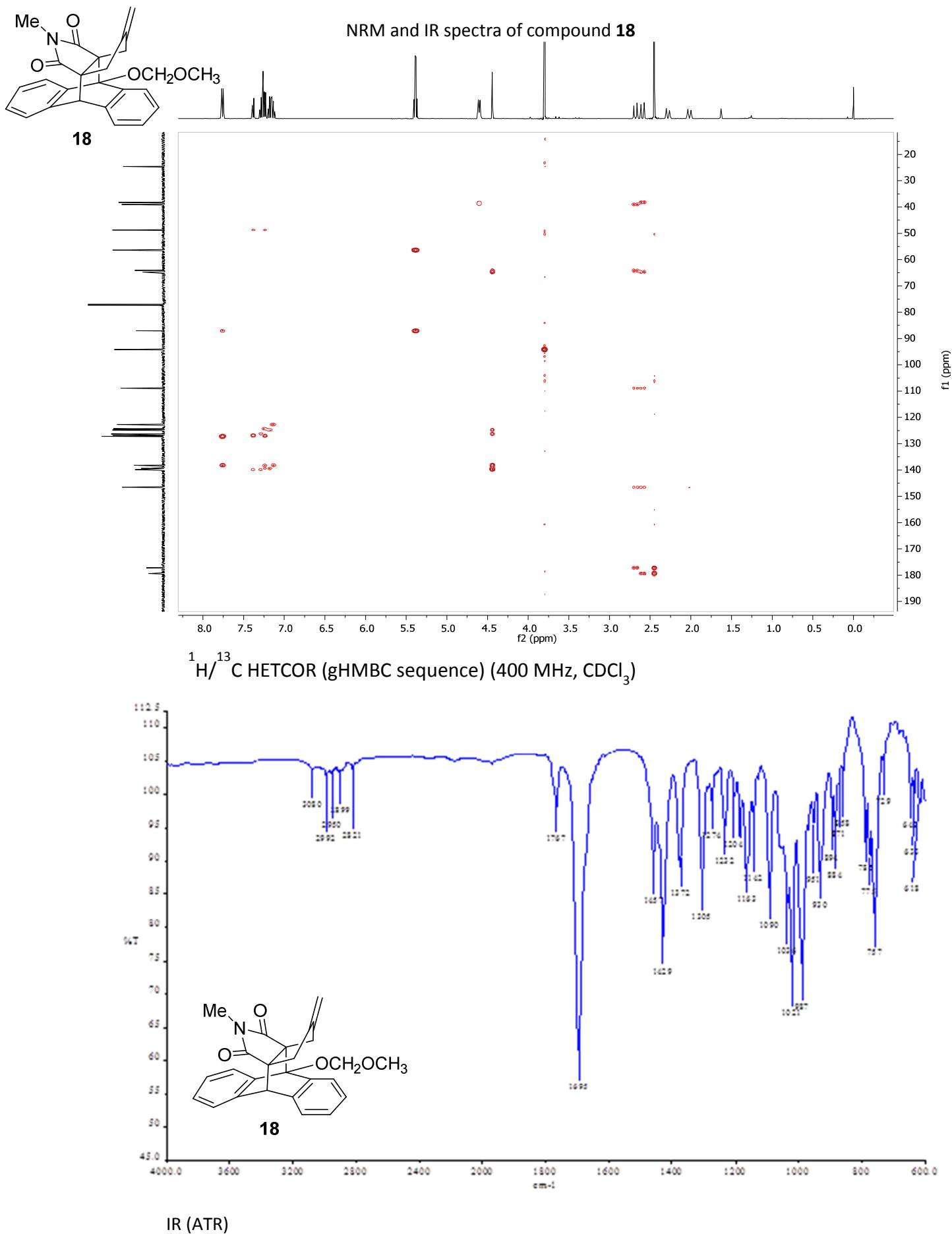
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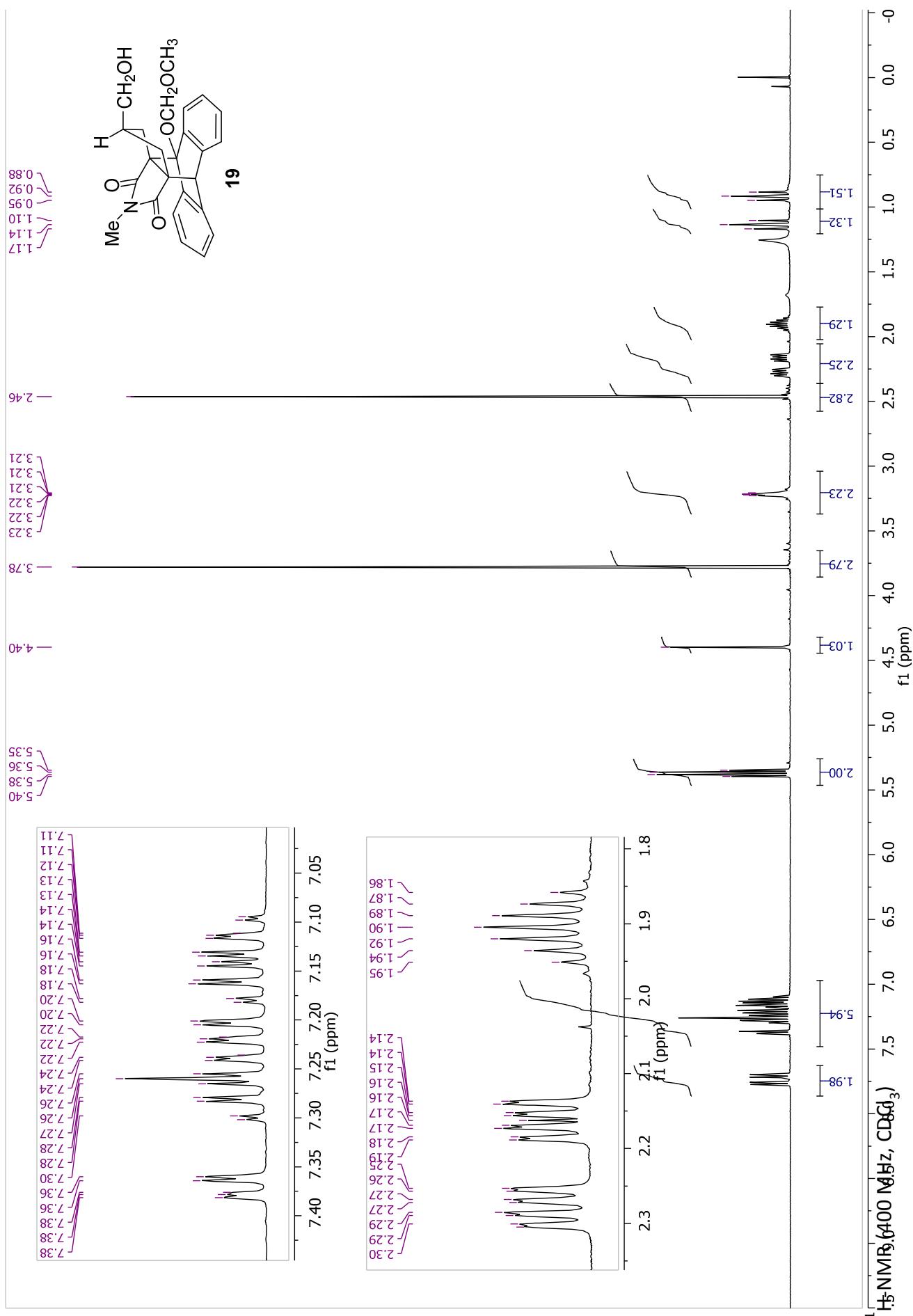
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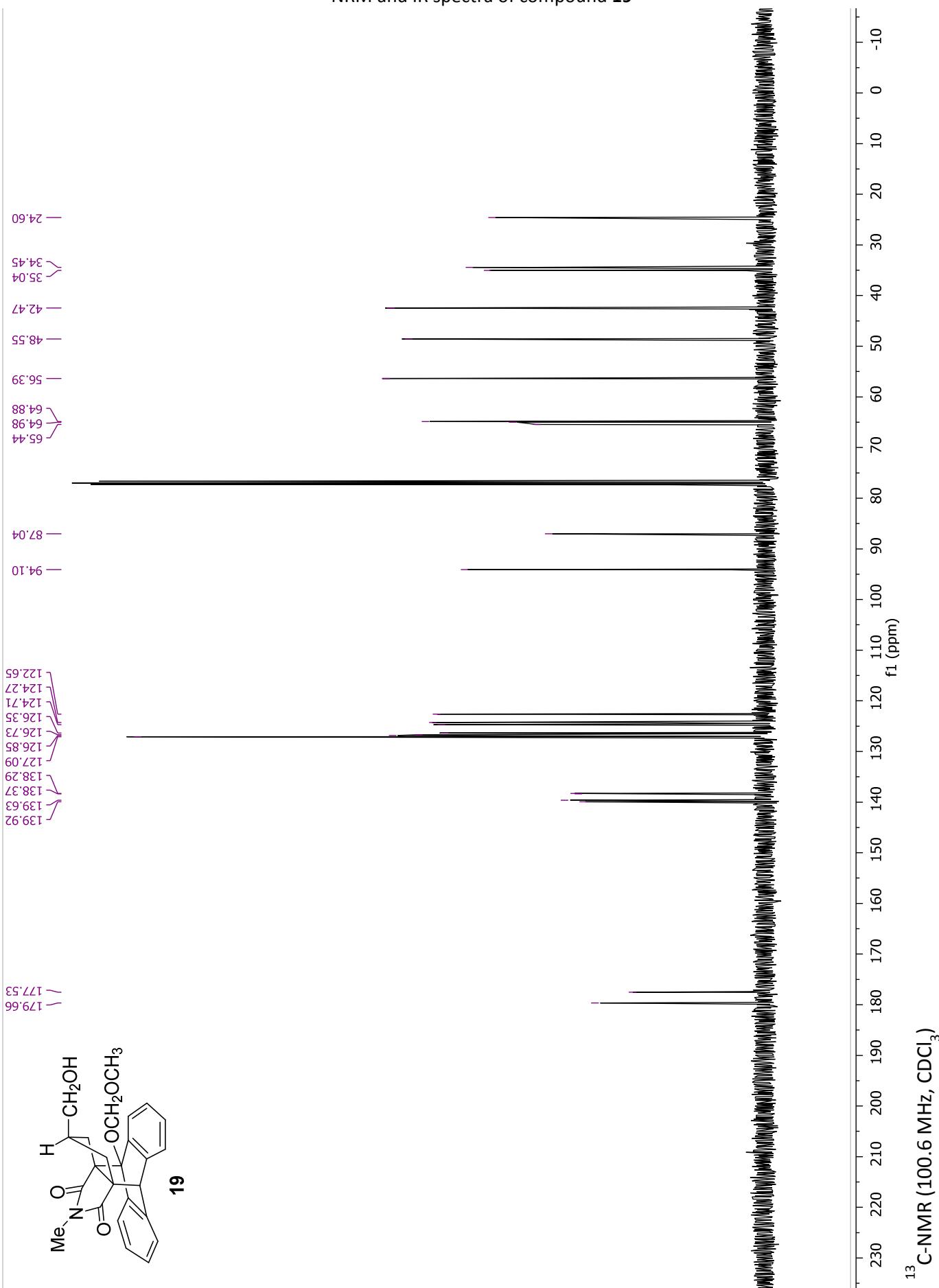
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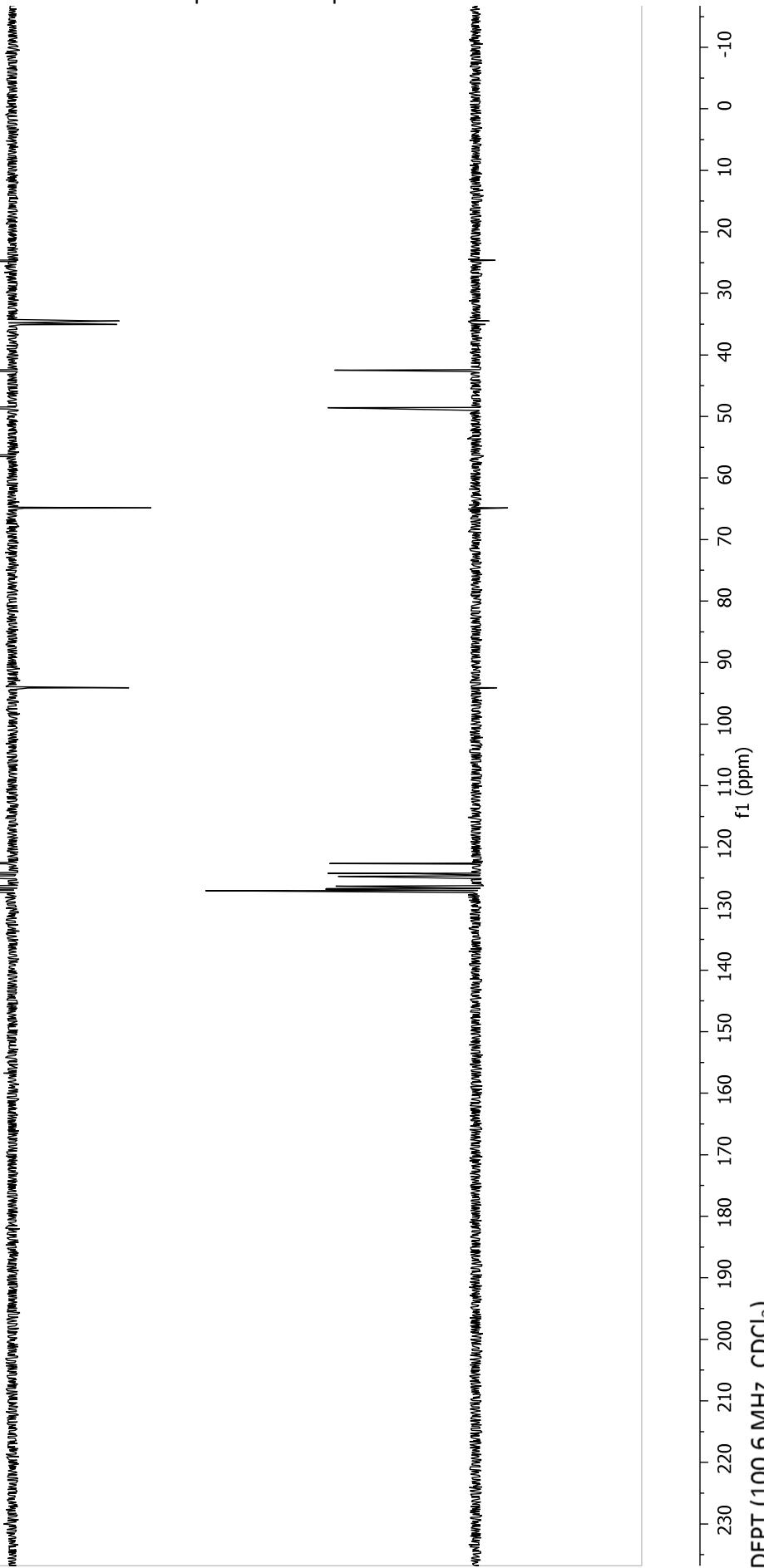
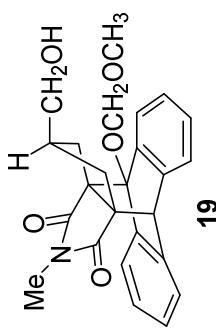
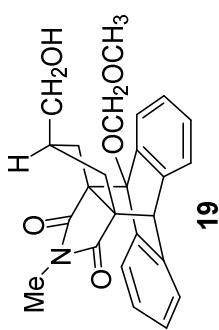
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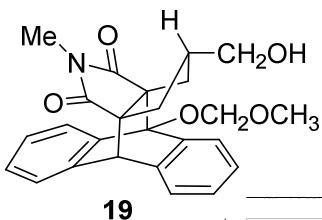


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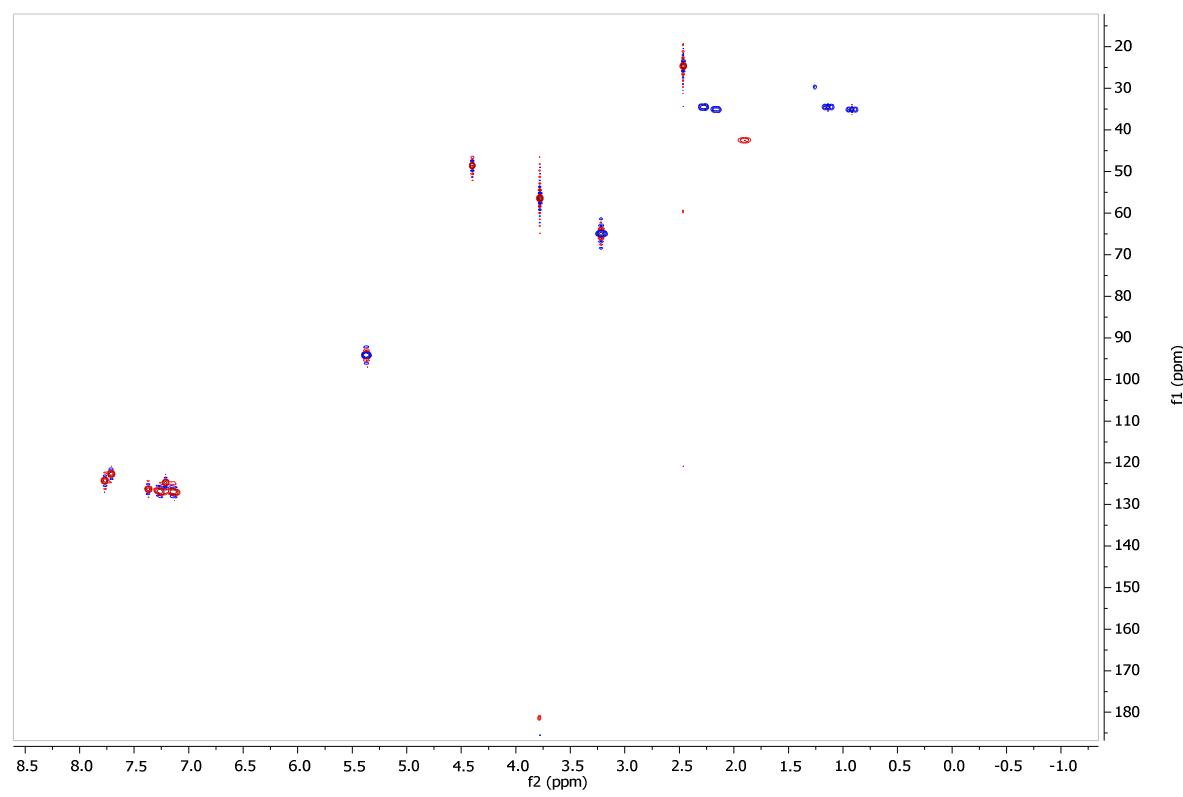
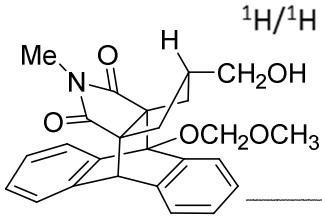
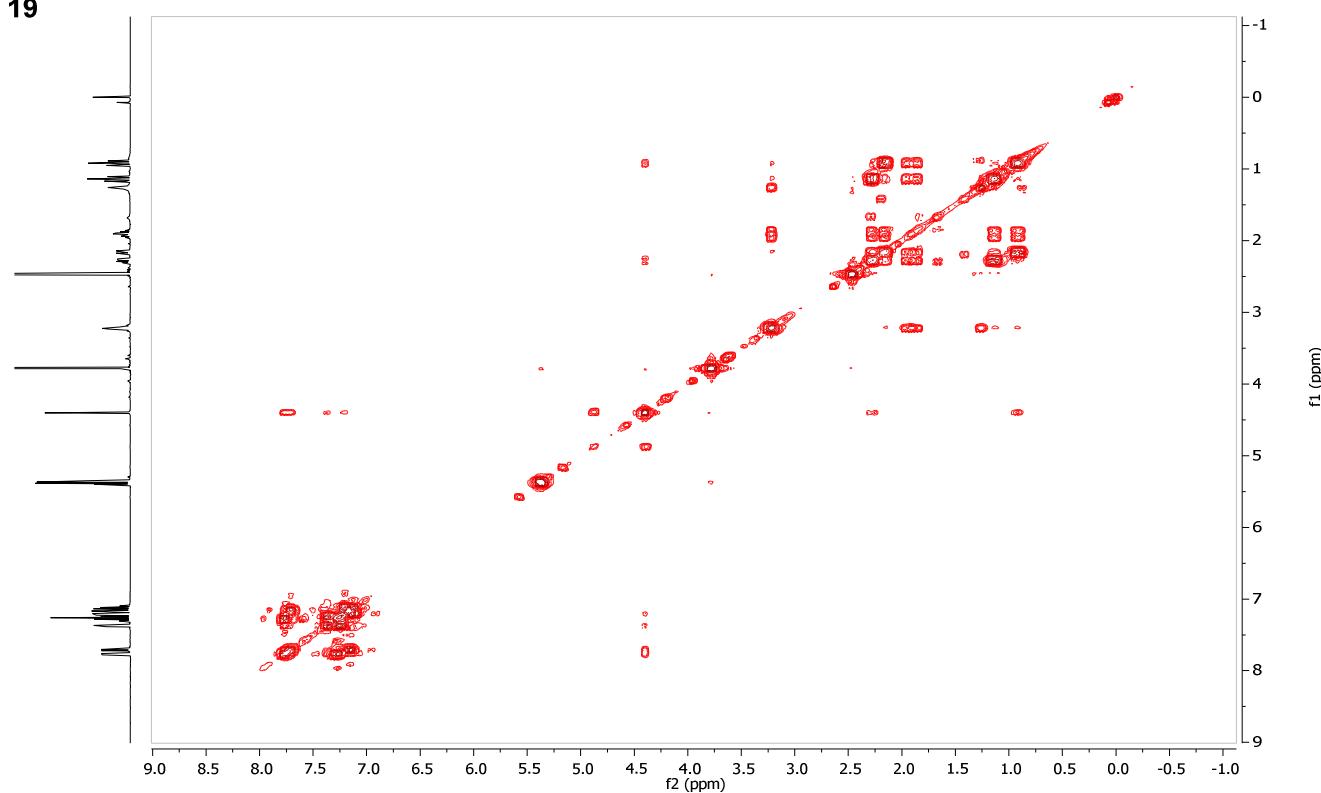


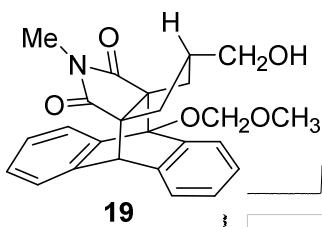
NMR and IR spectra of compound 19



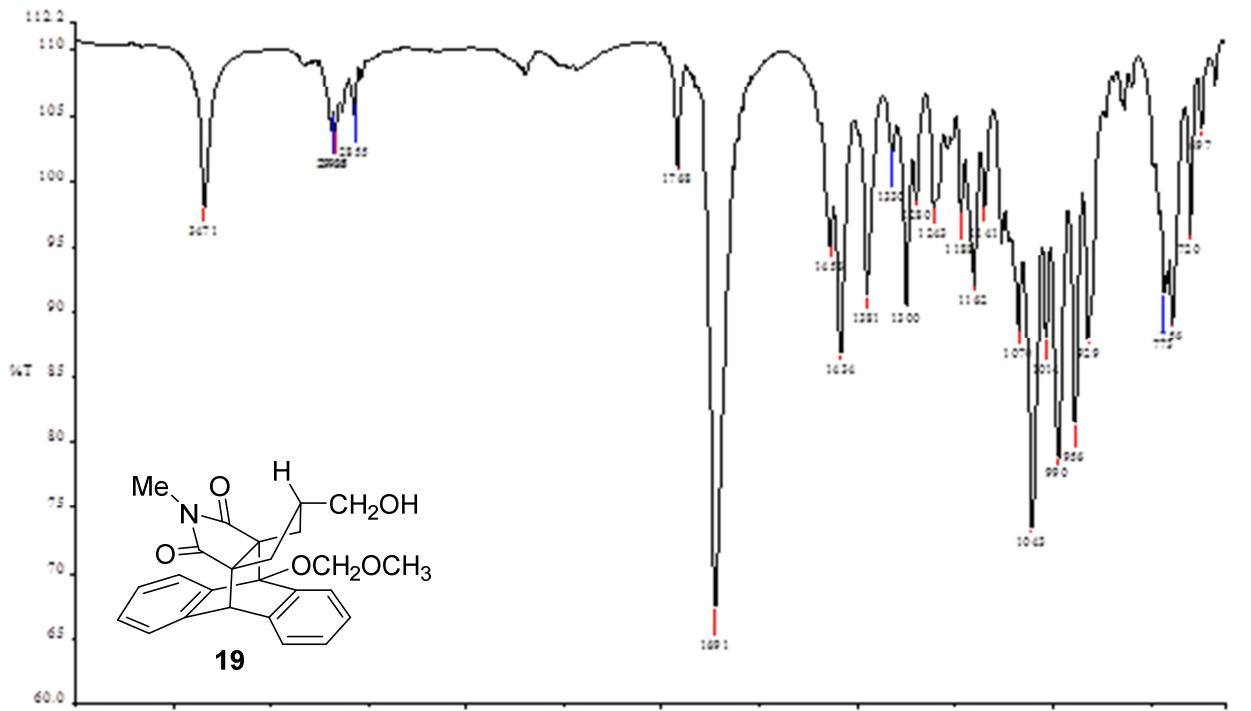
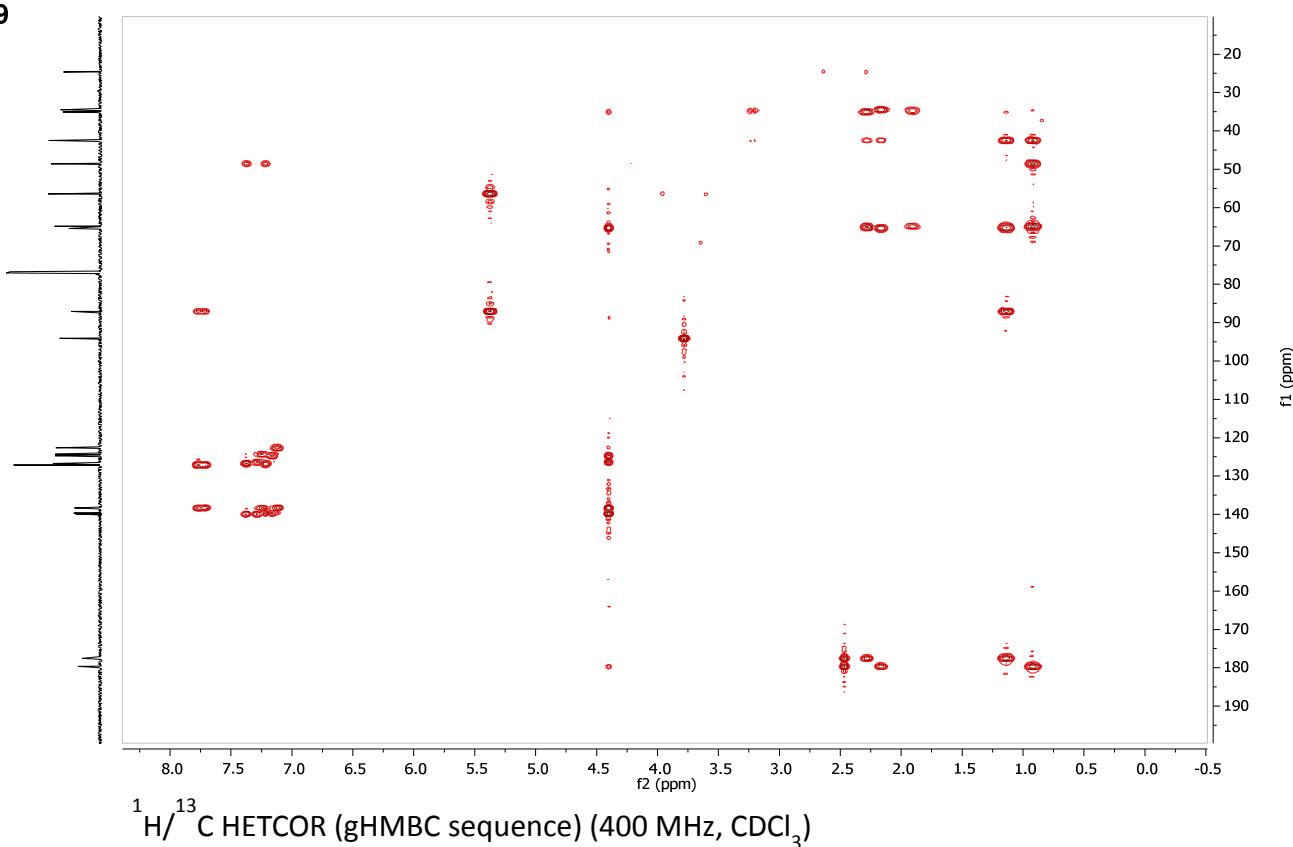


NMR and IR spectra of compound 19



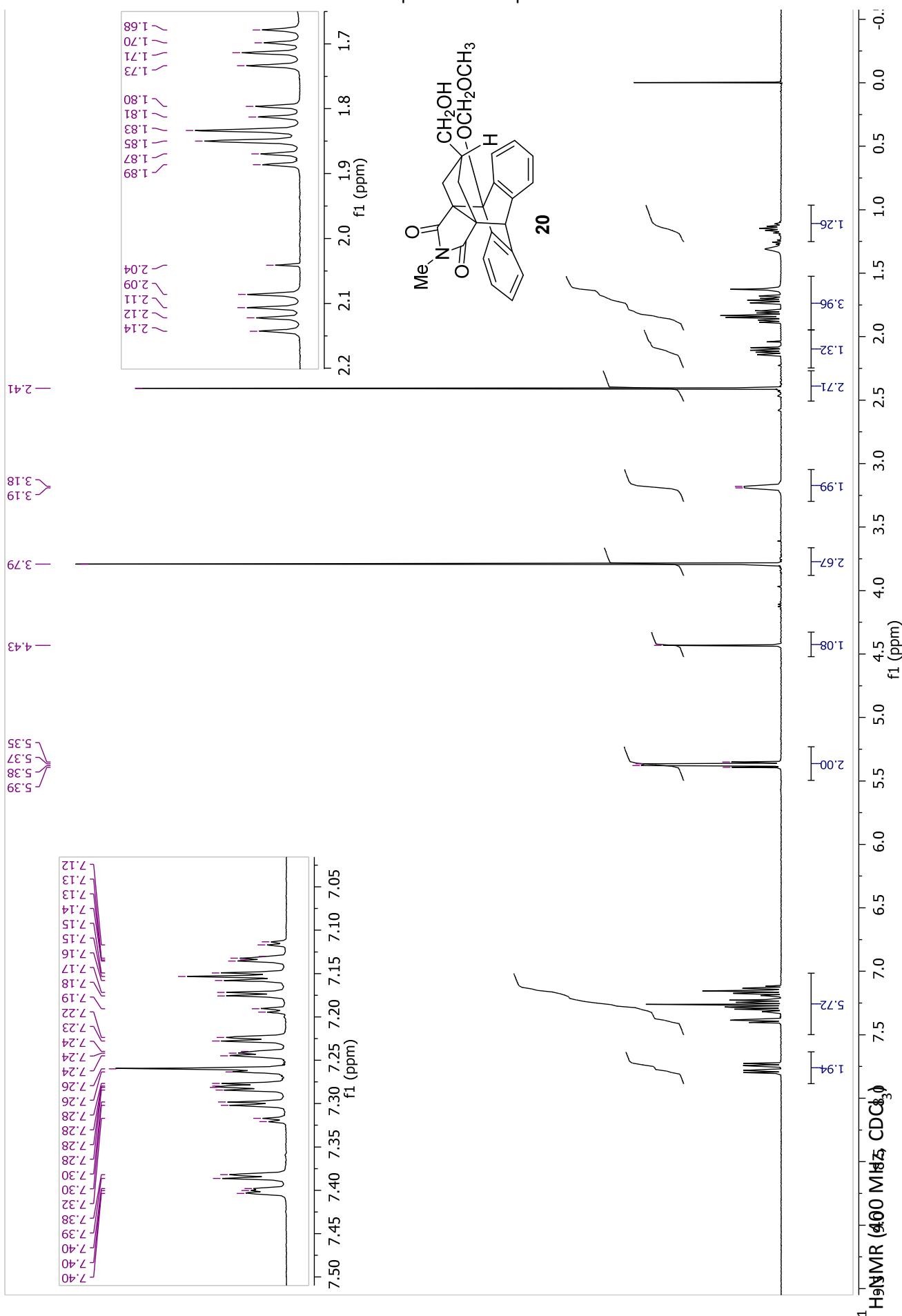


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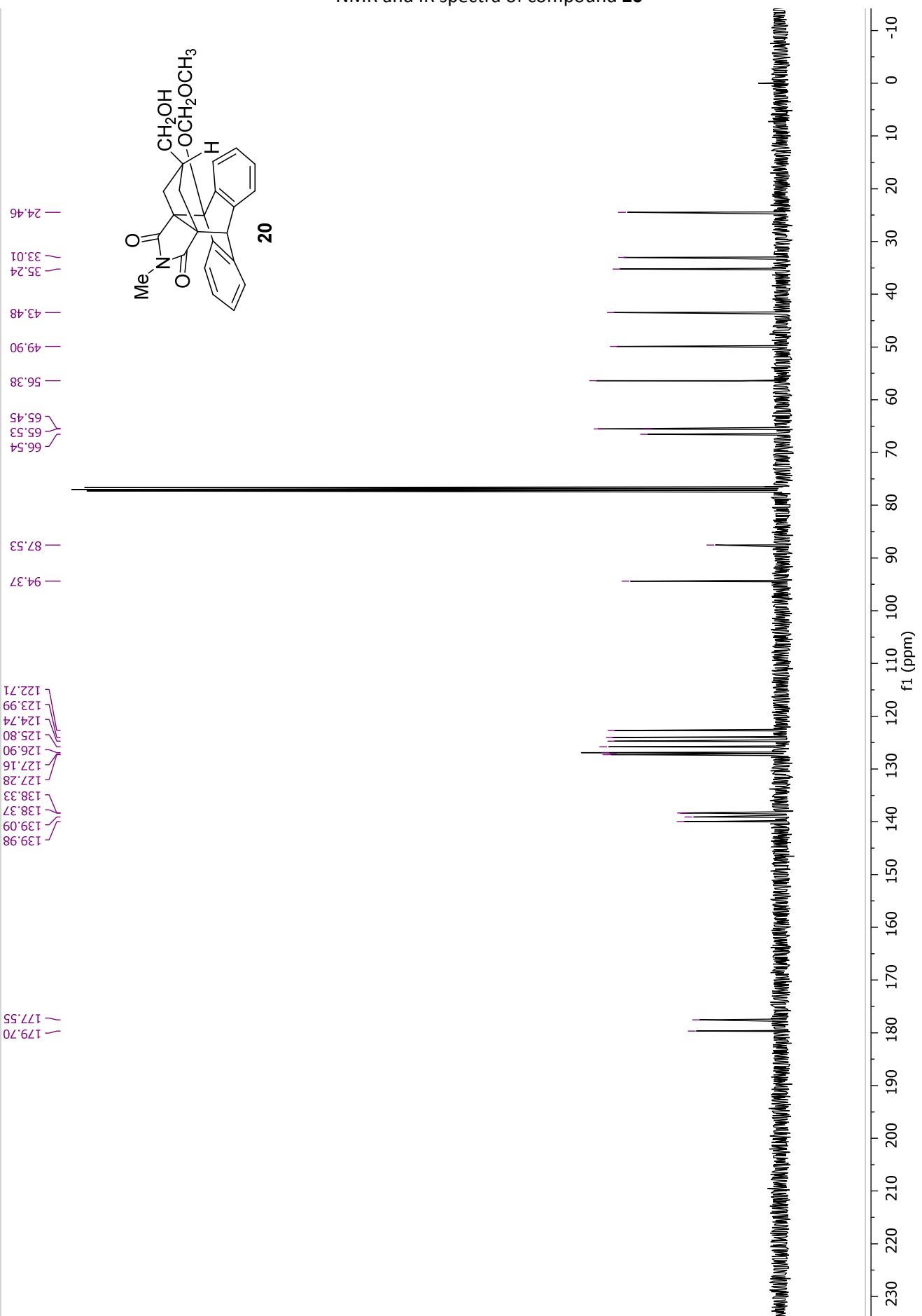


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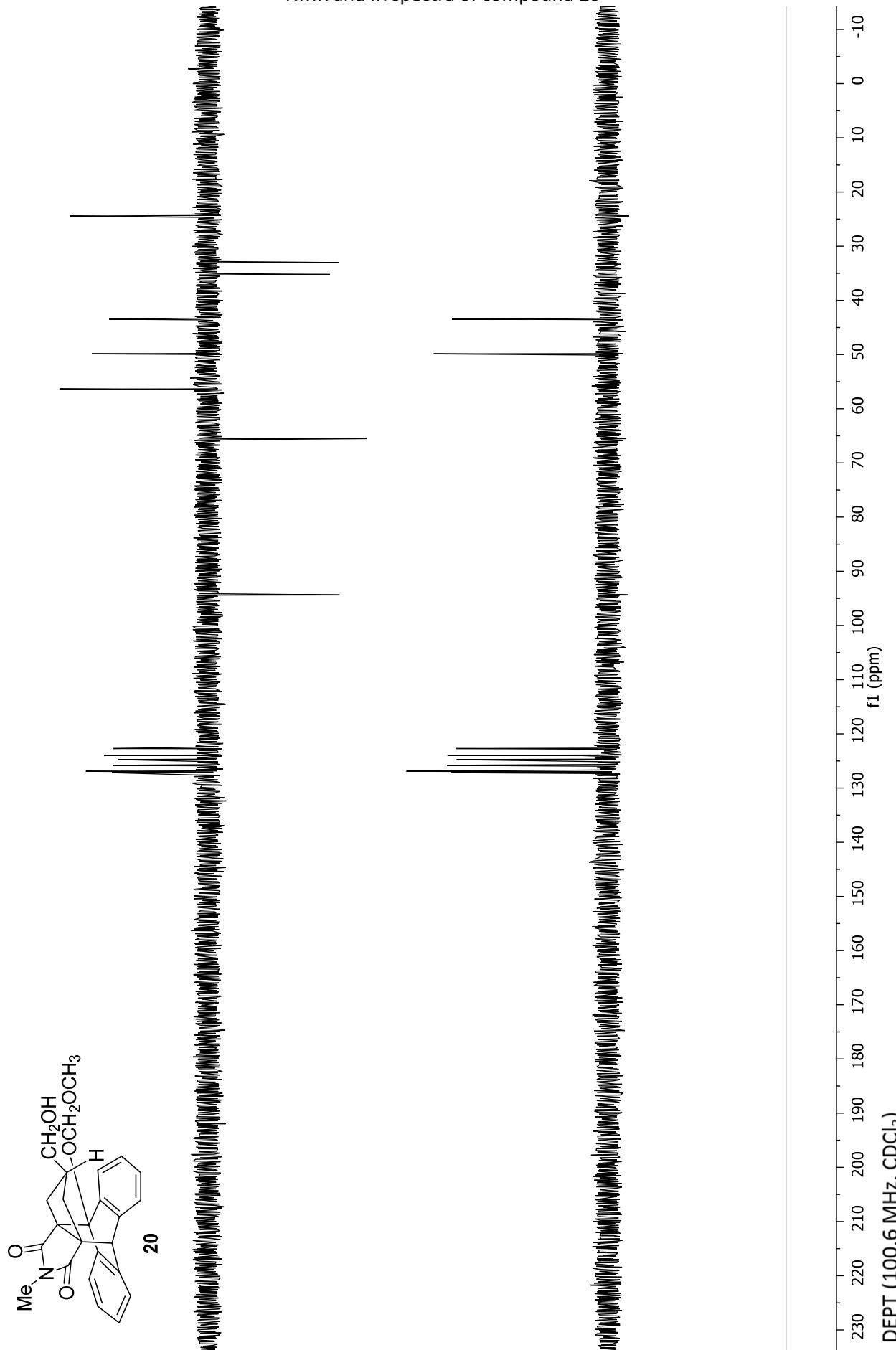
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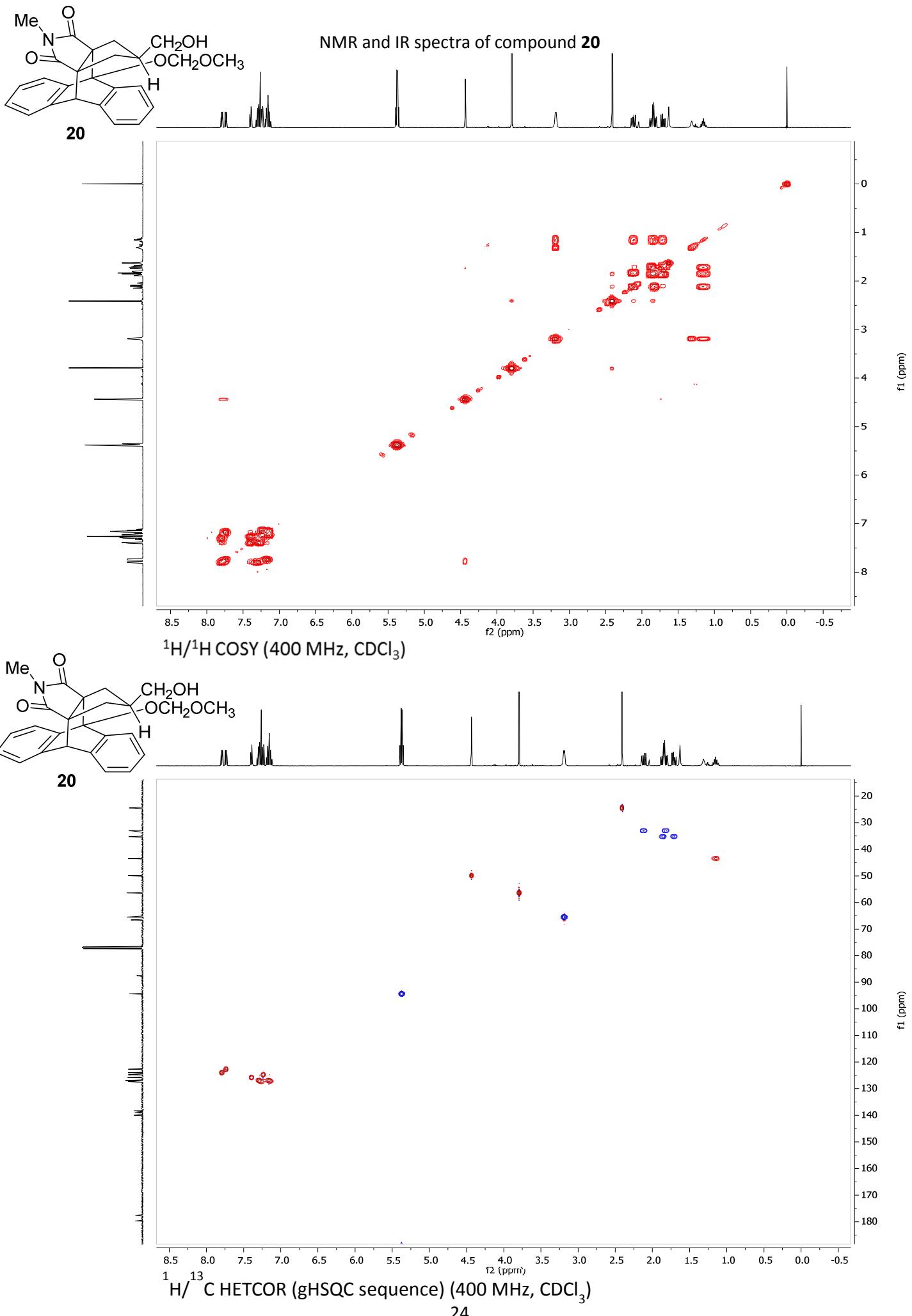


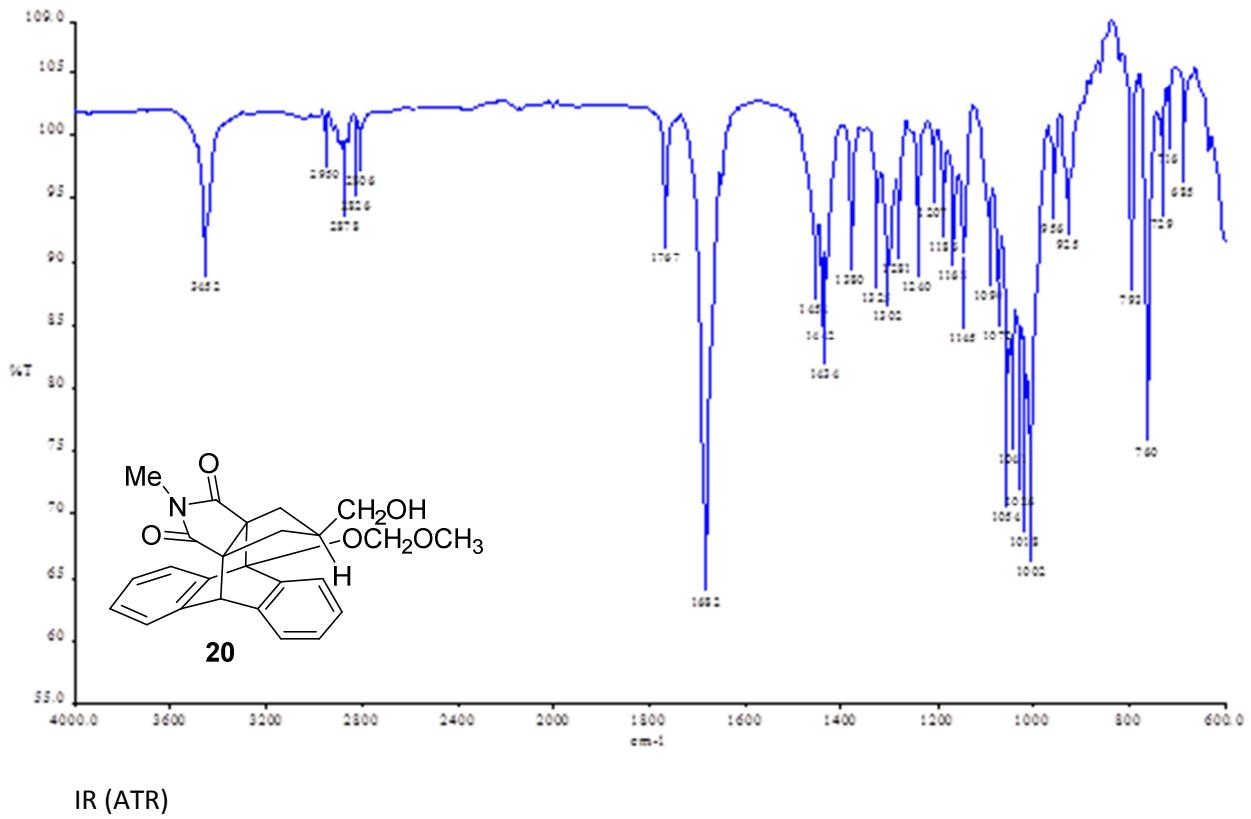
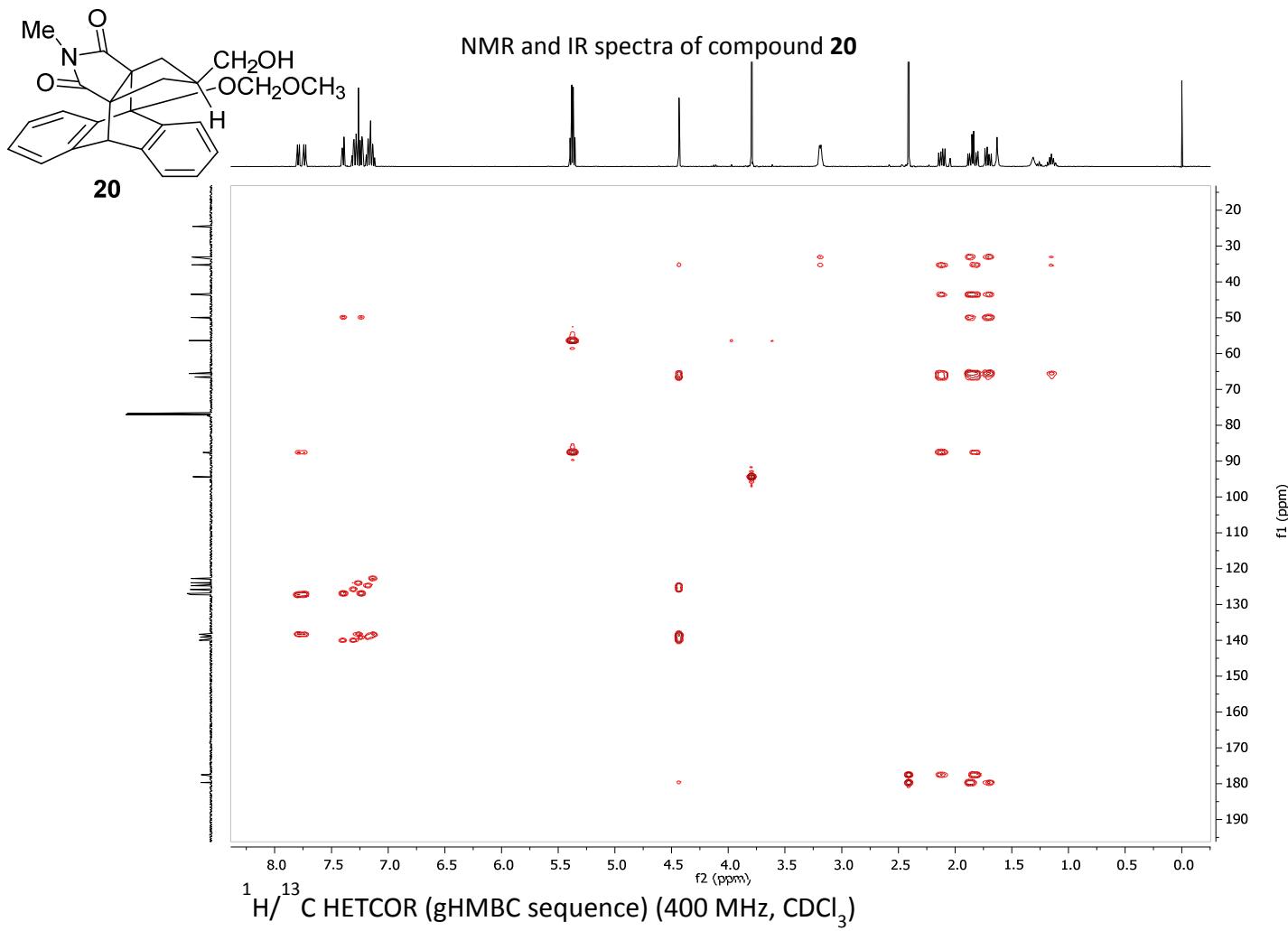
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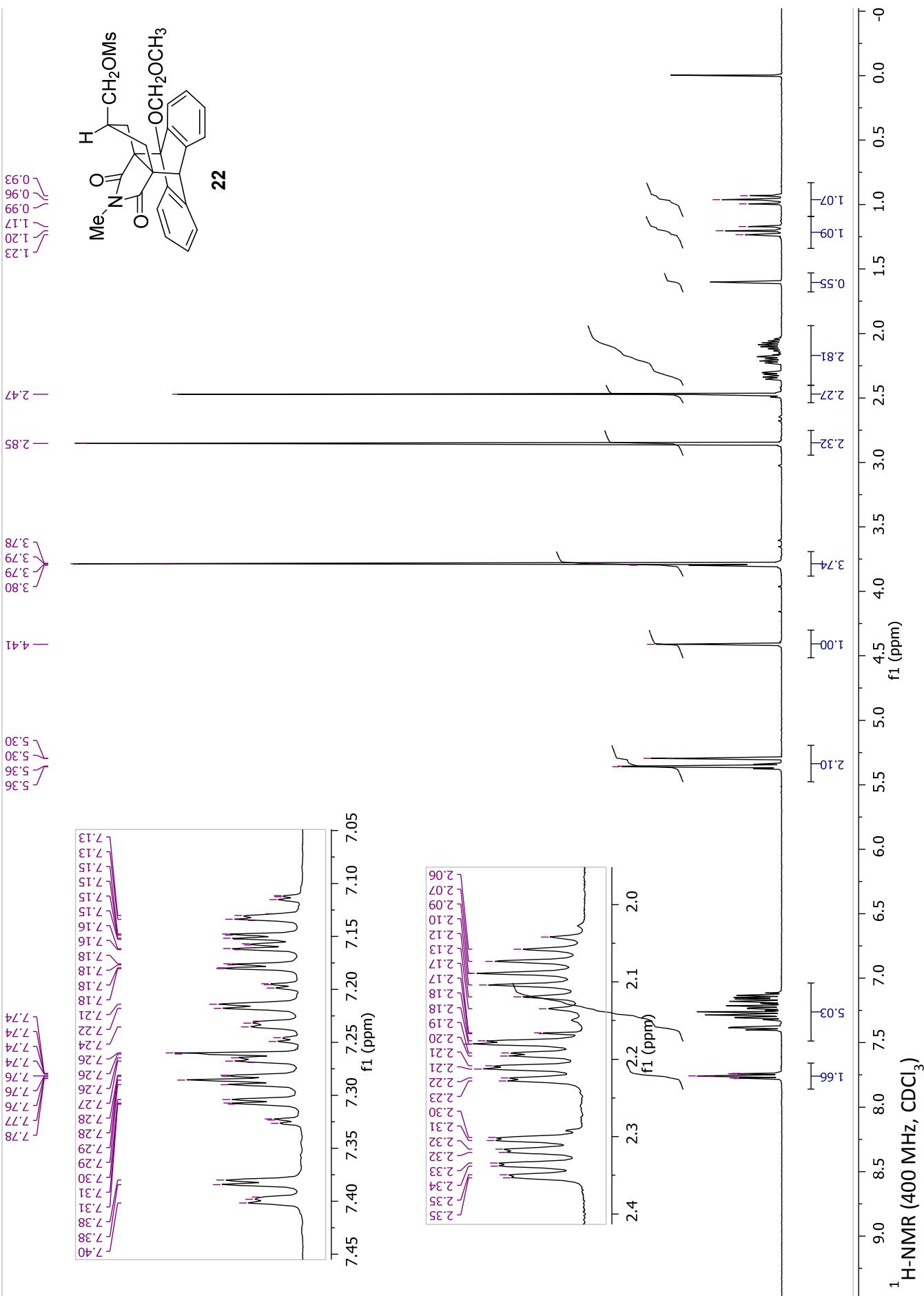
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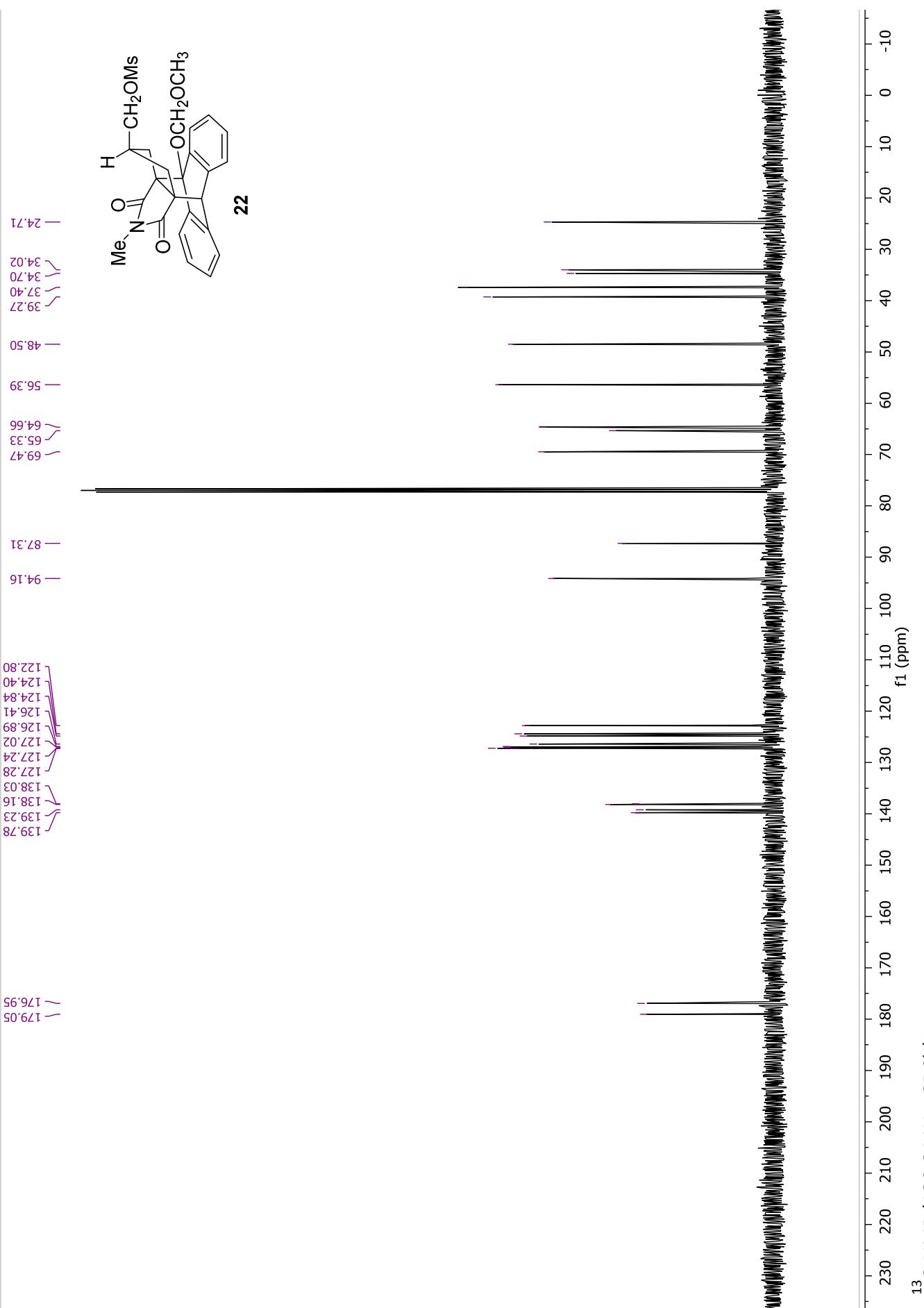




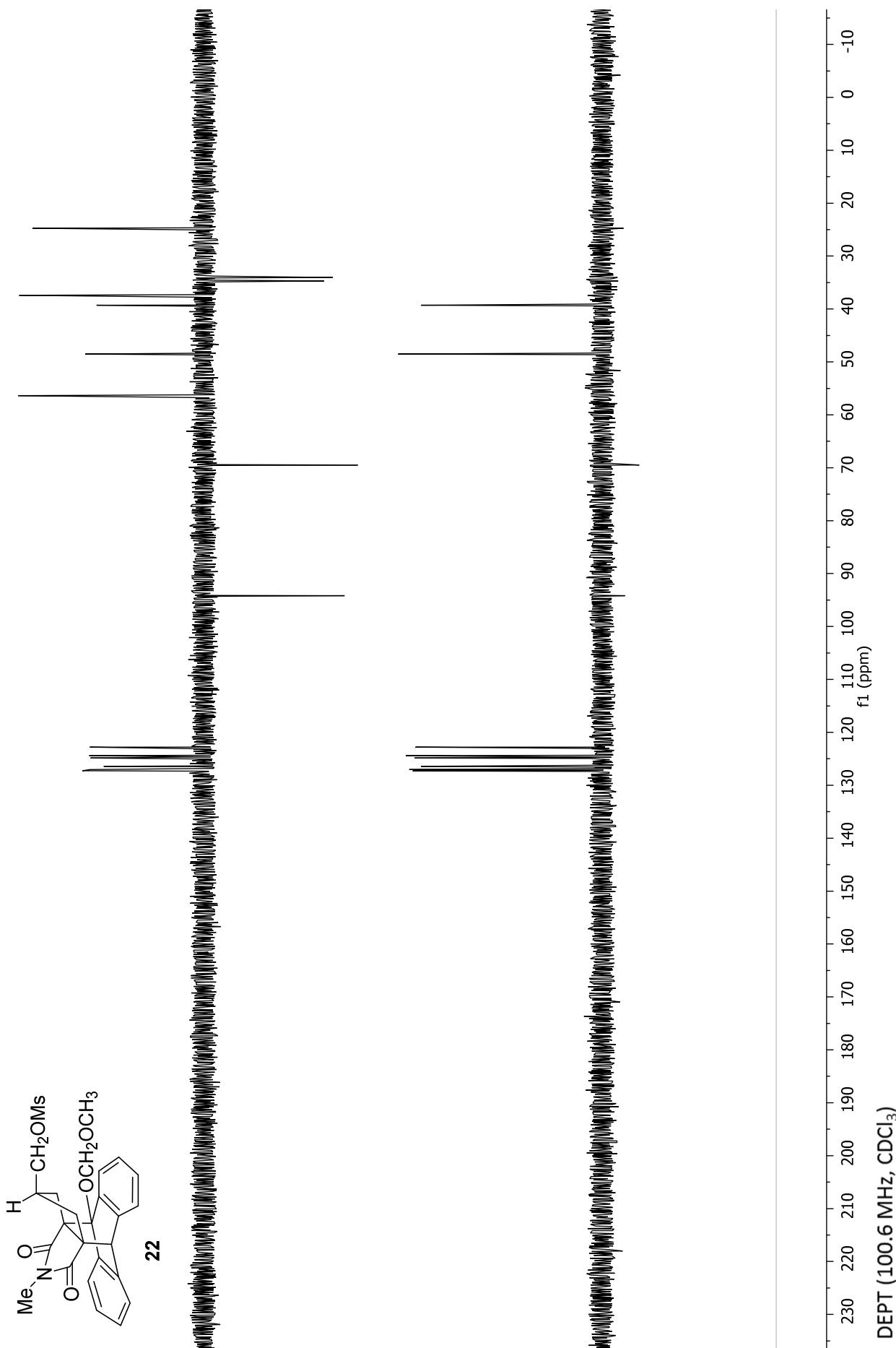
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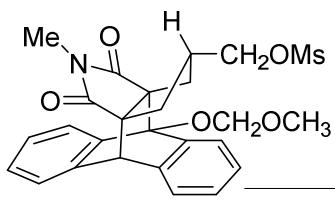


NMR and IR spectra of compound **22**

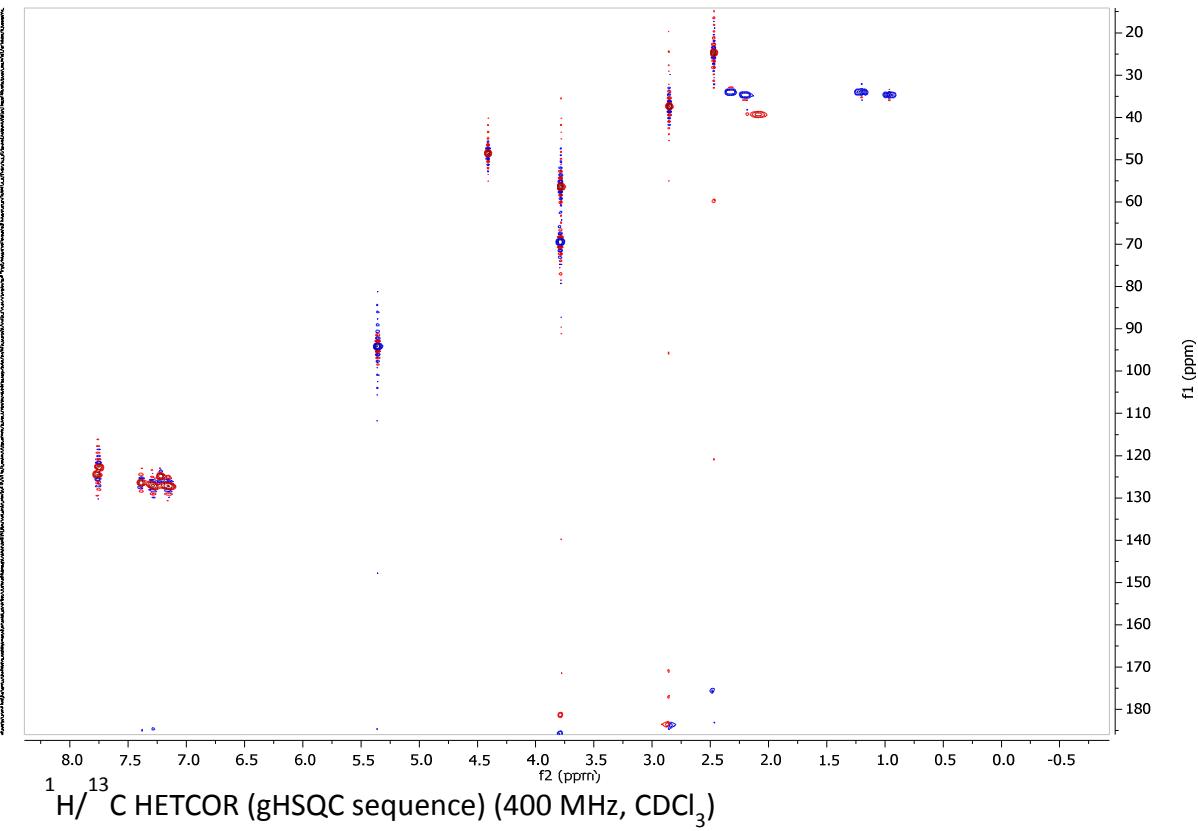
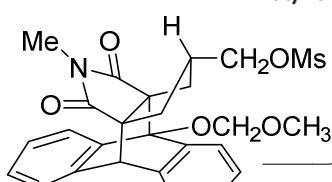
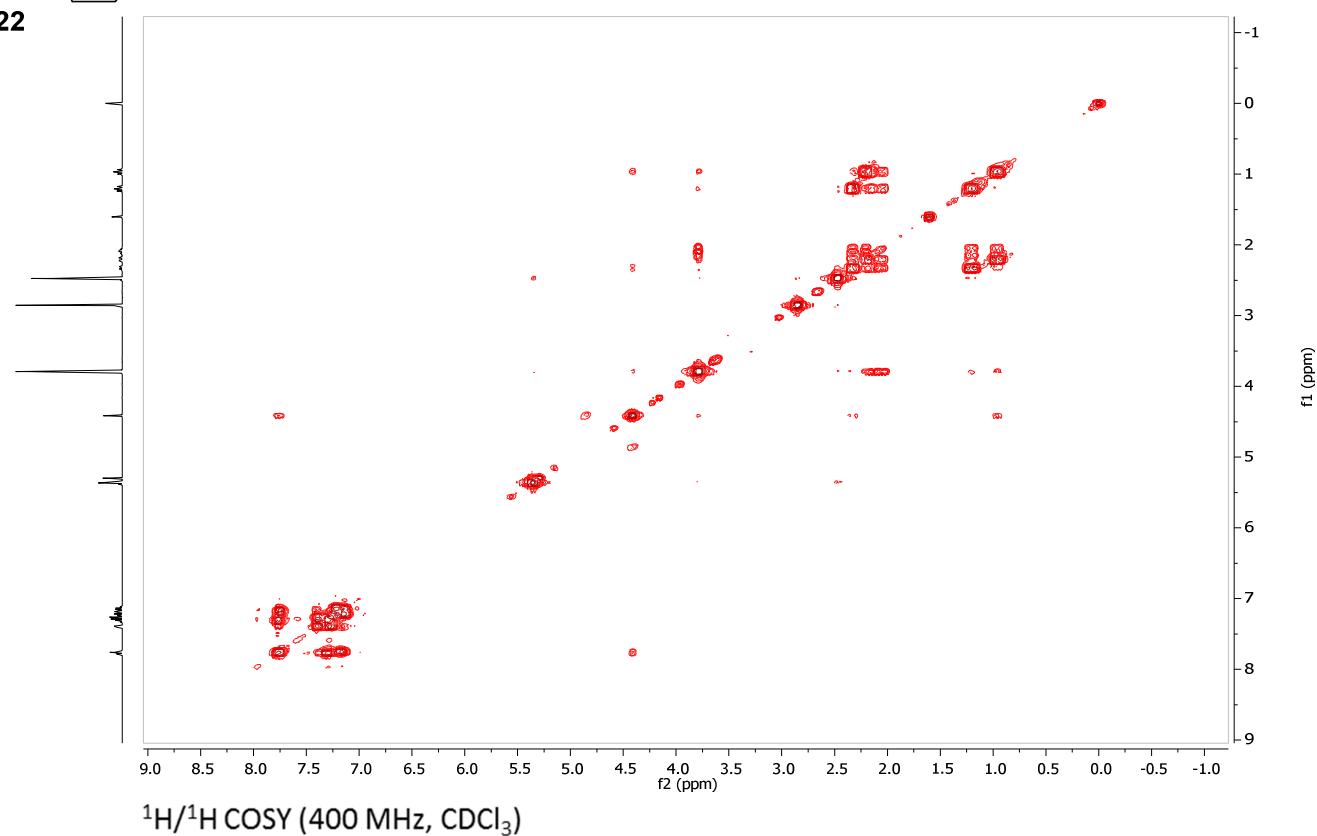


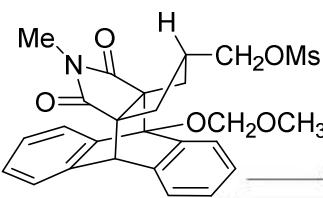
NMR and IR spectra of compound 22



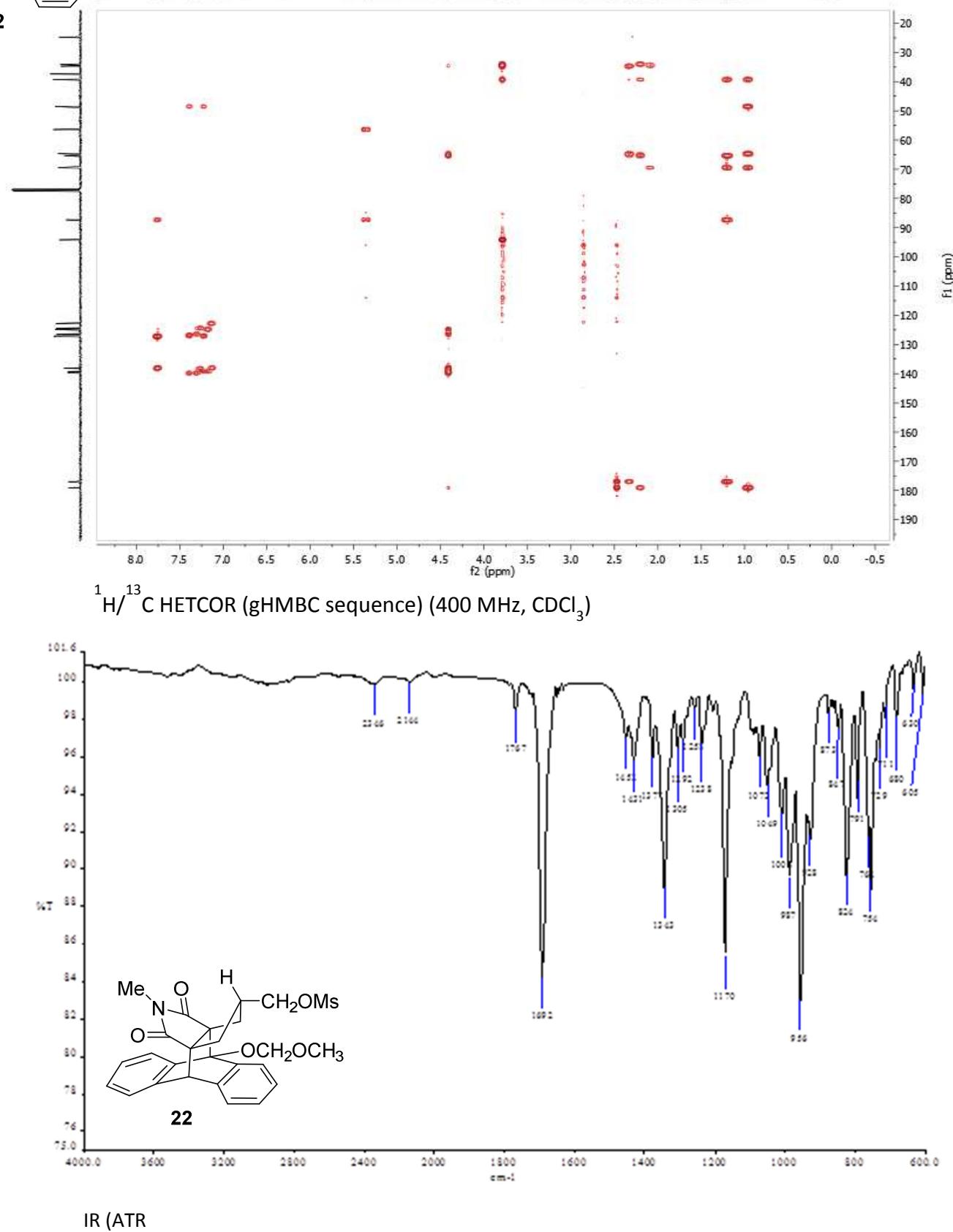


NMR and IR spectra of compound 22

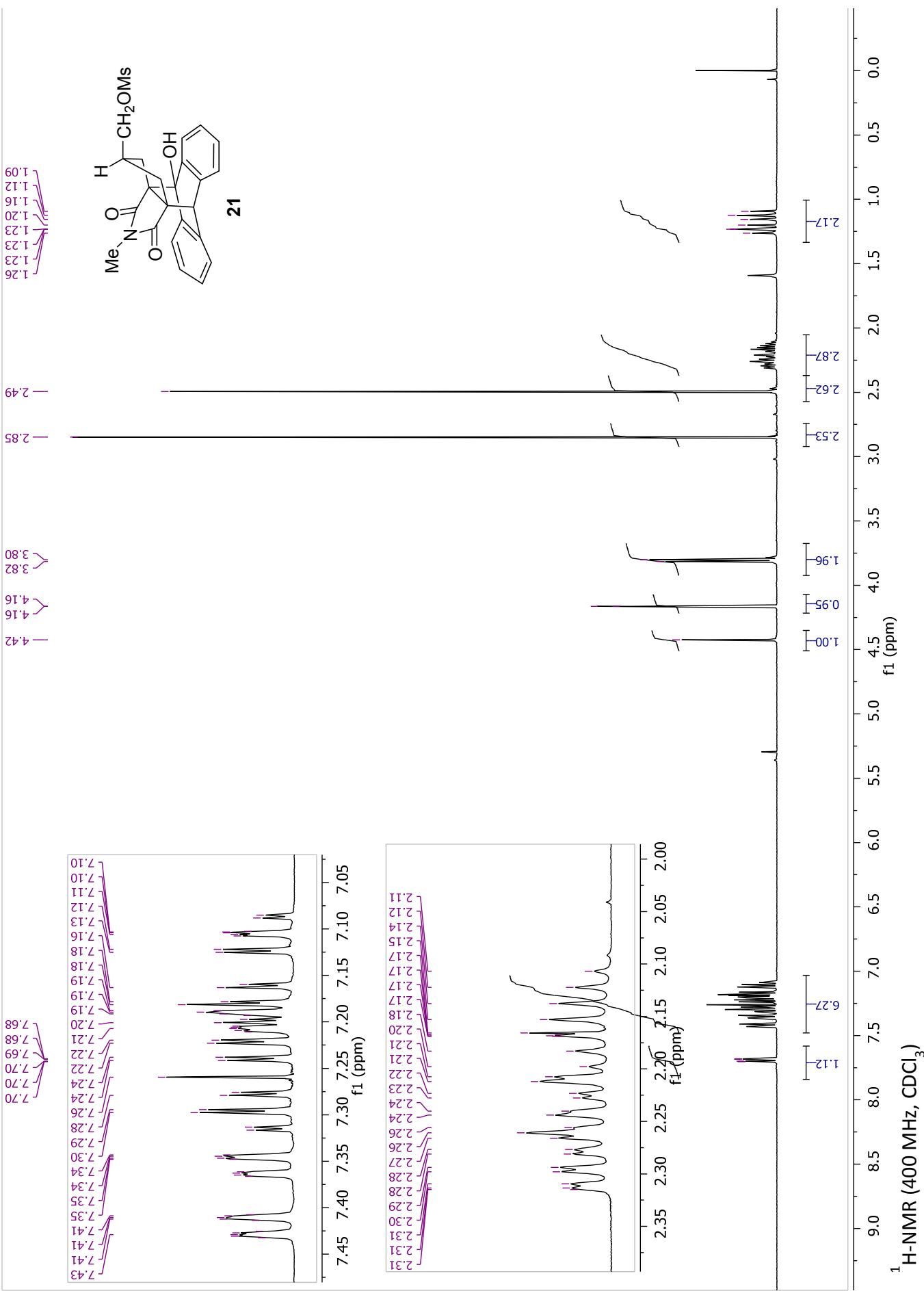




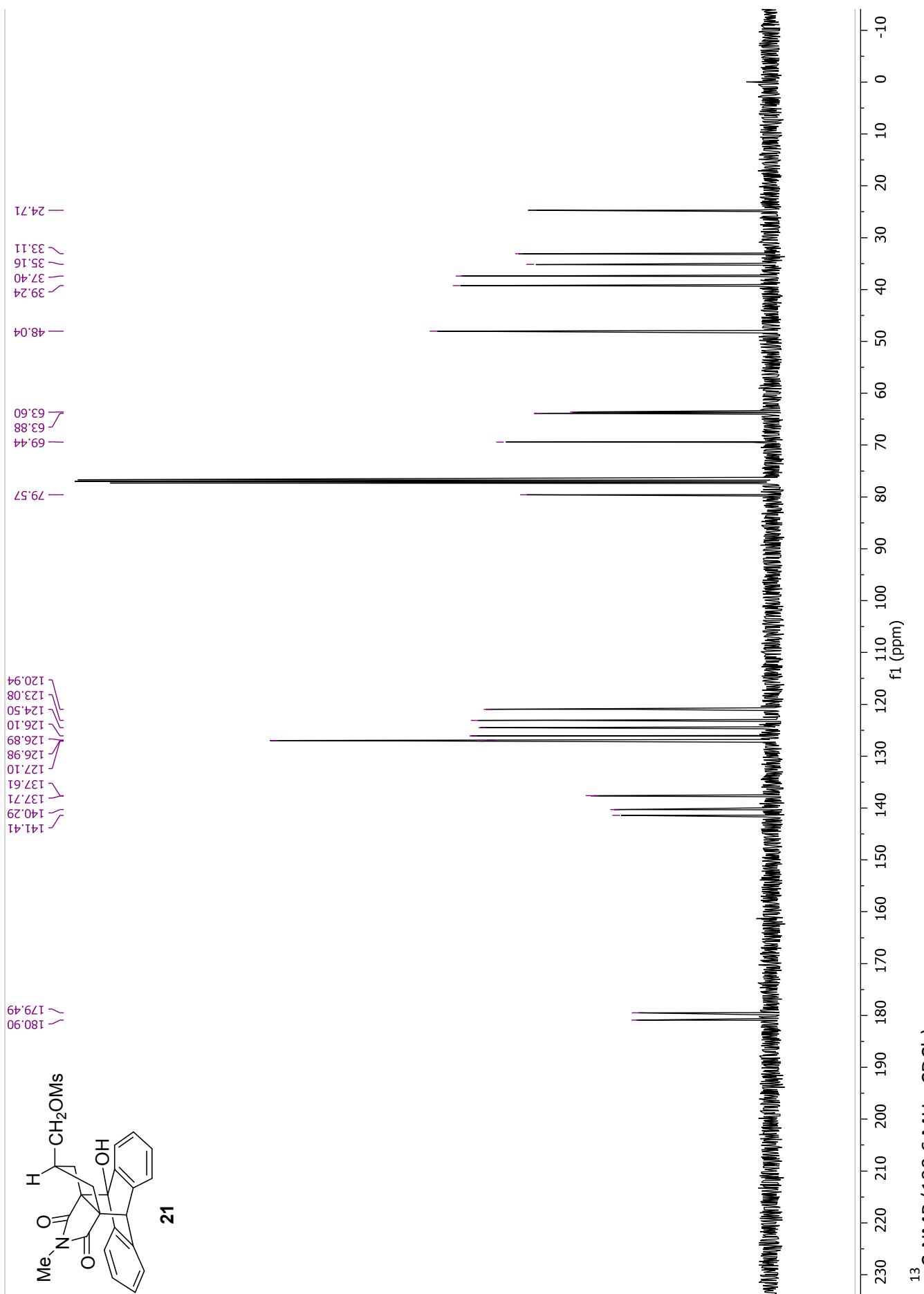
NMR and IR spectra of compound **22**



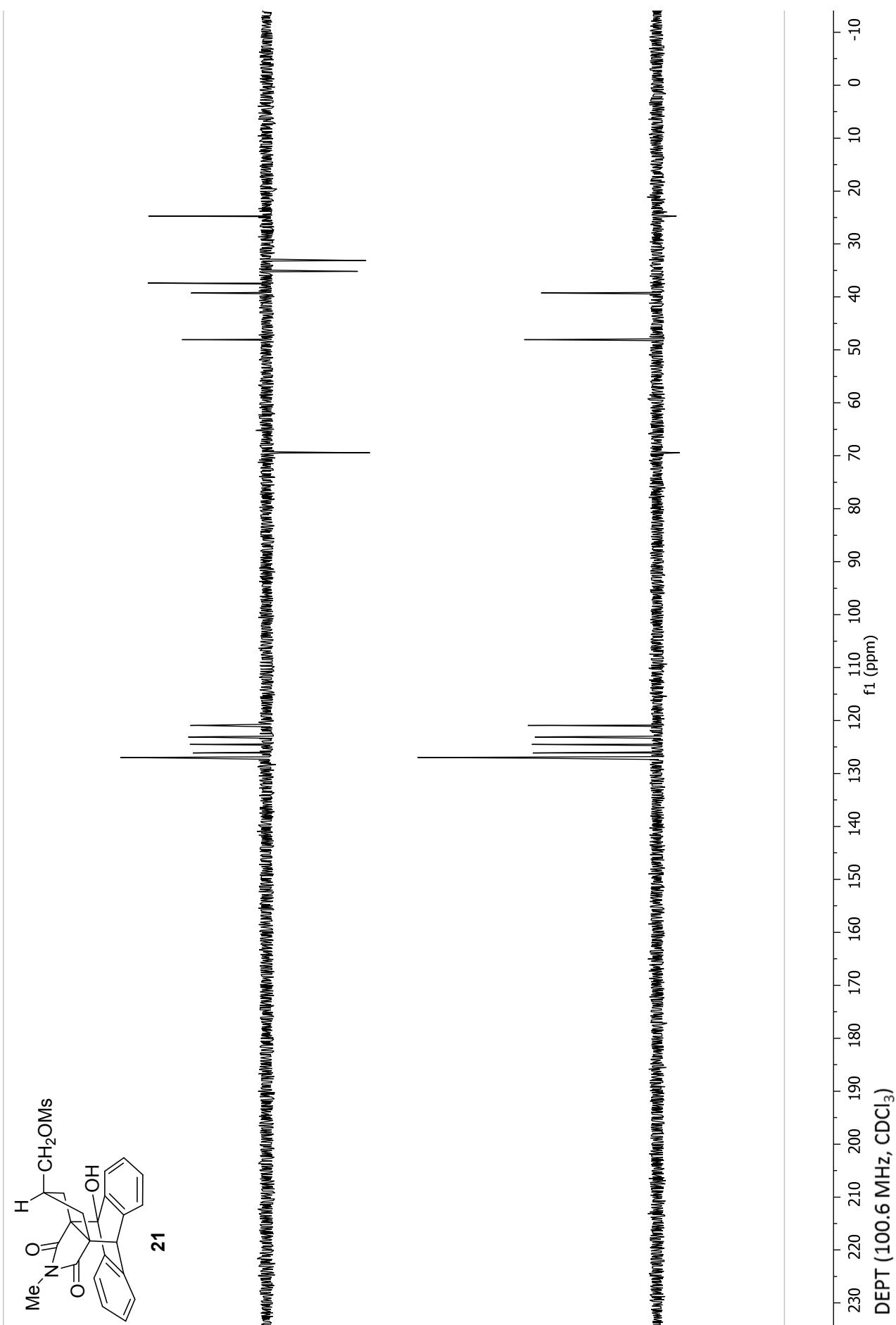
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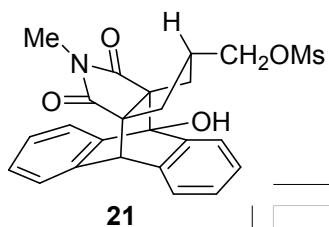


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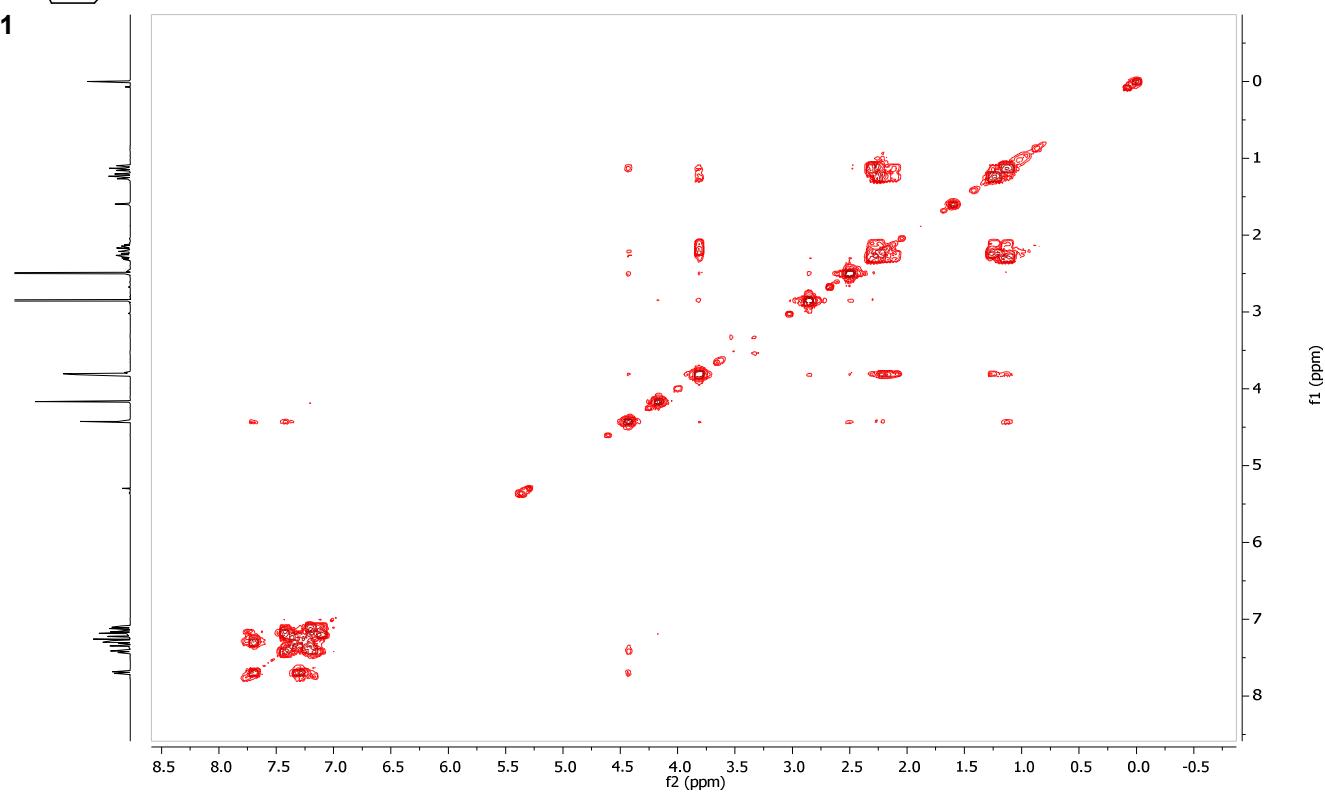


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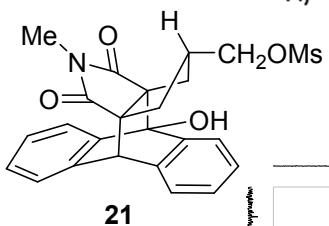




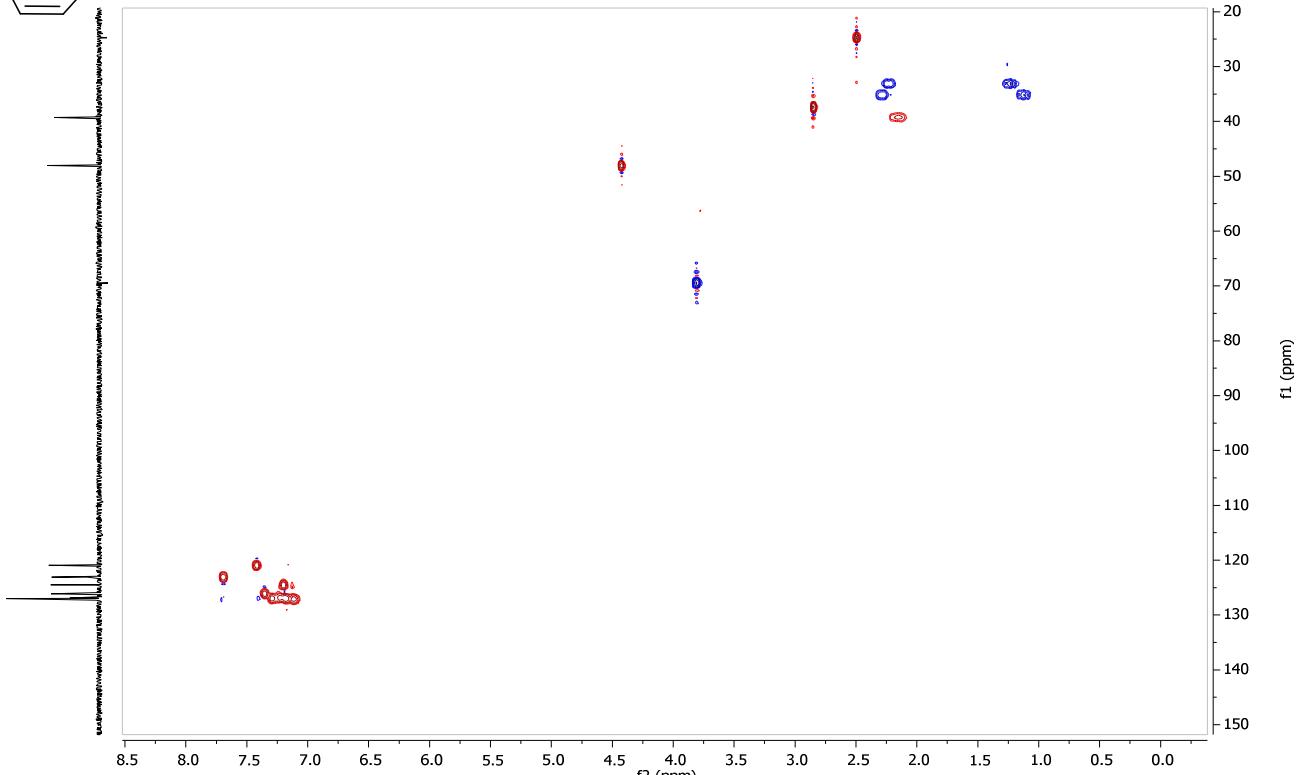
NMR and IR spectra of compound 21



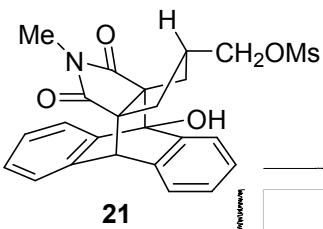
$^1\text{H}/^1\text{H}$  COSY (400 MHz,  $\text{CDCl}_3$ )



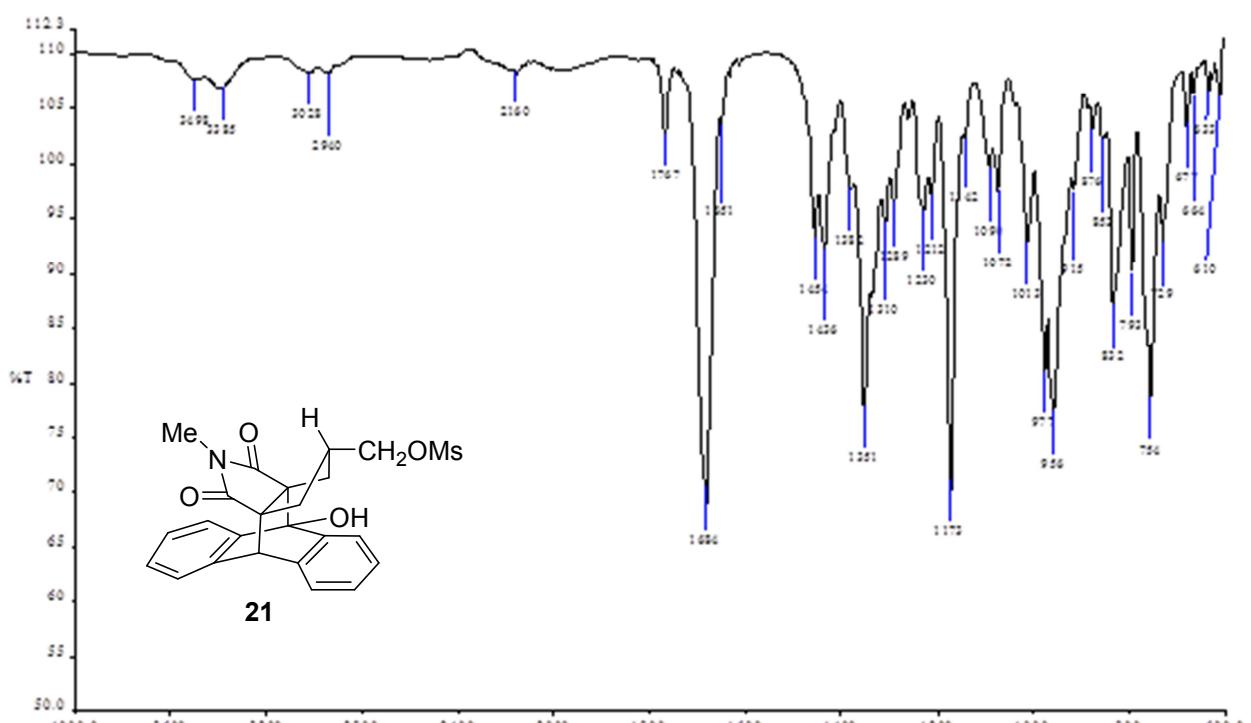
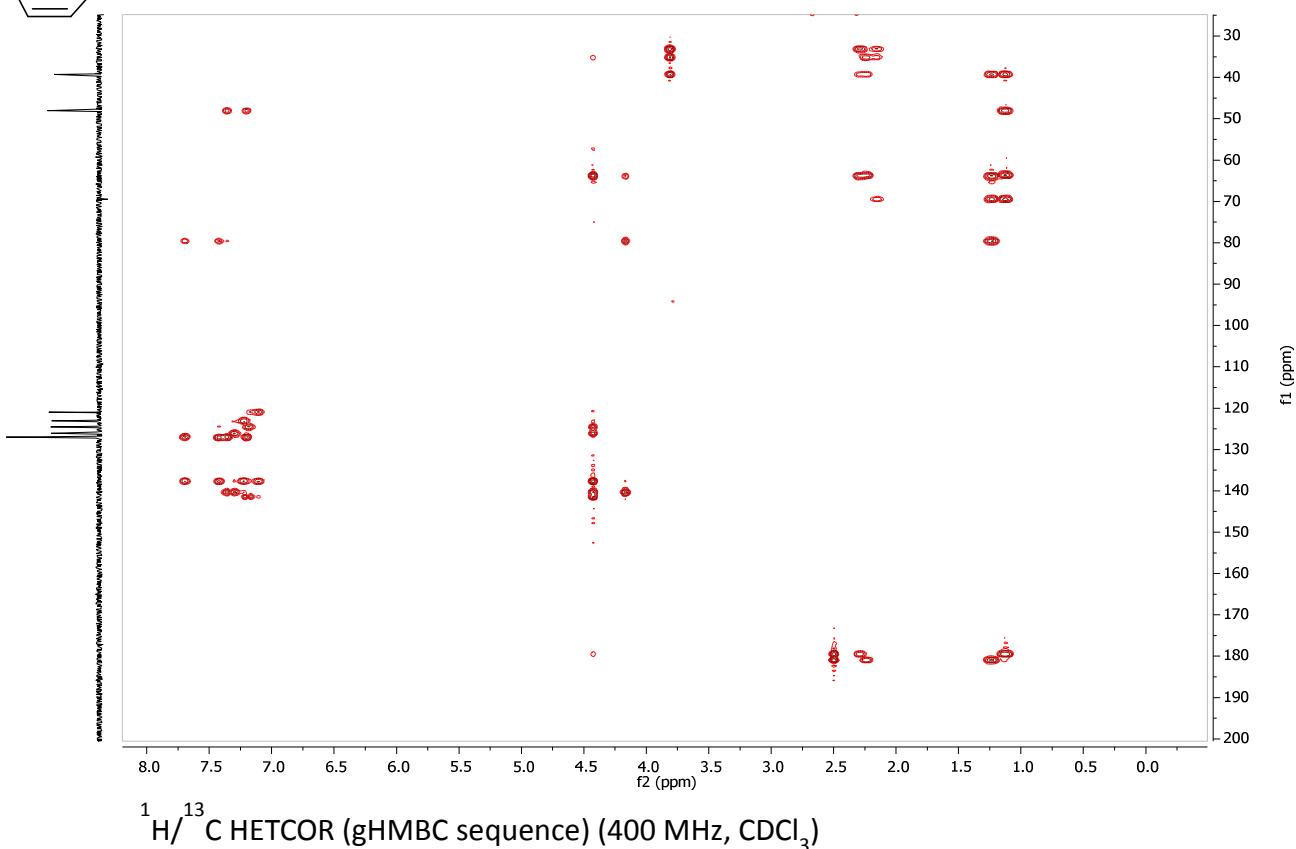
$^1\text{H}/^{13}\text{C}$  HETCOR (gHSQC sequence) (400 MHz,  $\text{CDCl}_3$ )



$^1\text{H}/^{13}\text{C}$  HETCOR (gHSQC sequence) (400 MHz,  $\text{CDCl}_3$ )

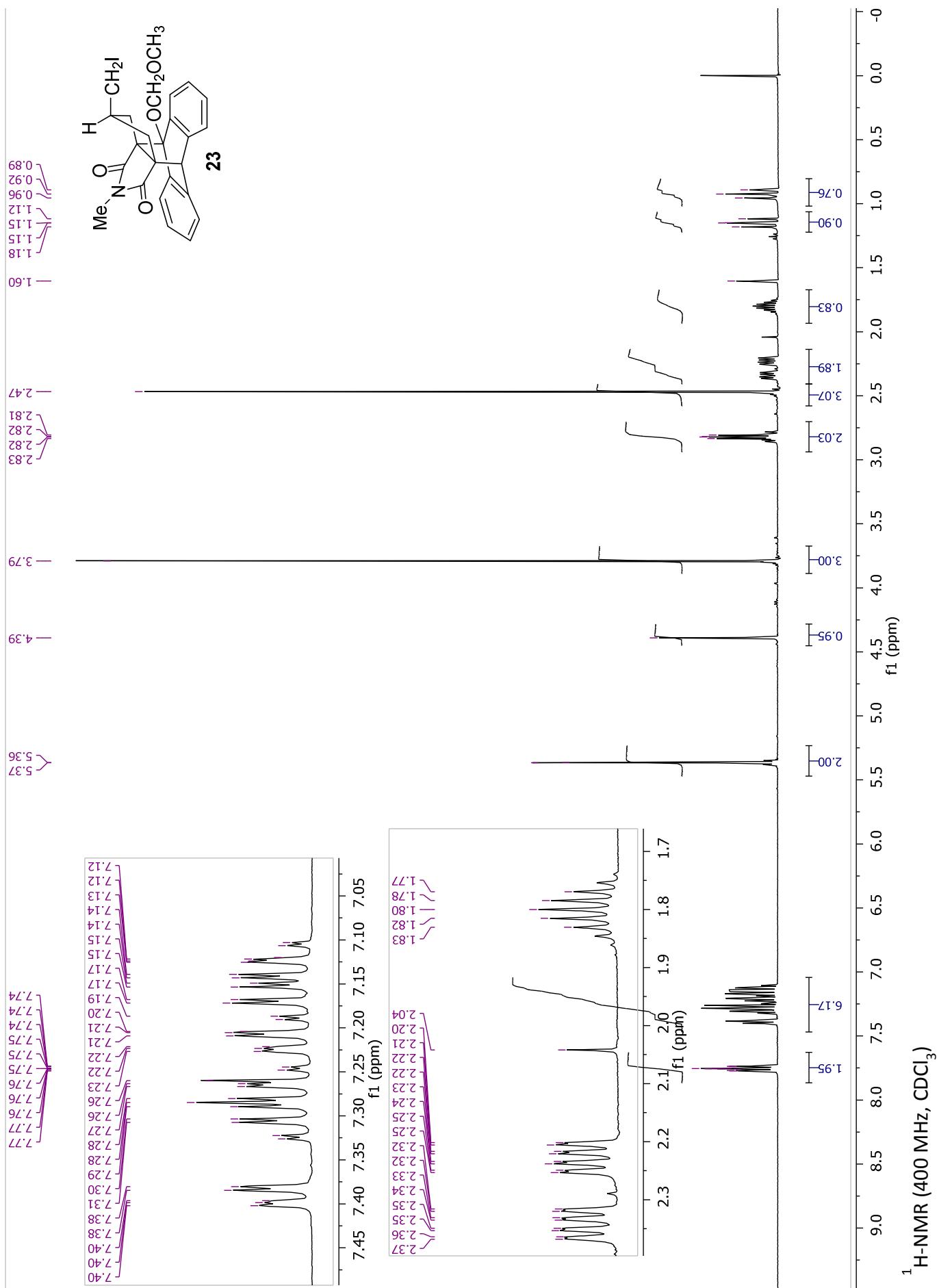


NMR and IR spectra of compound **21**

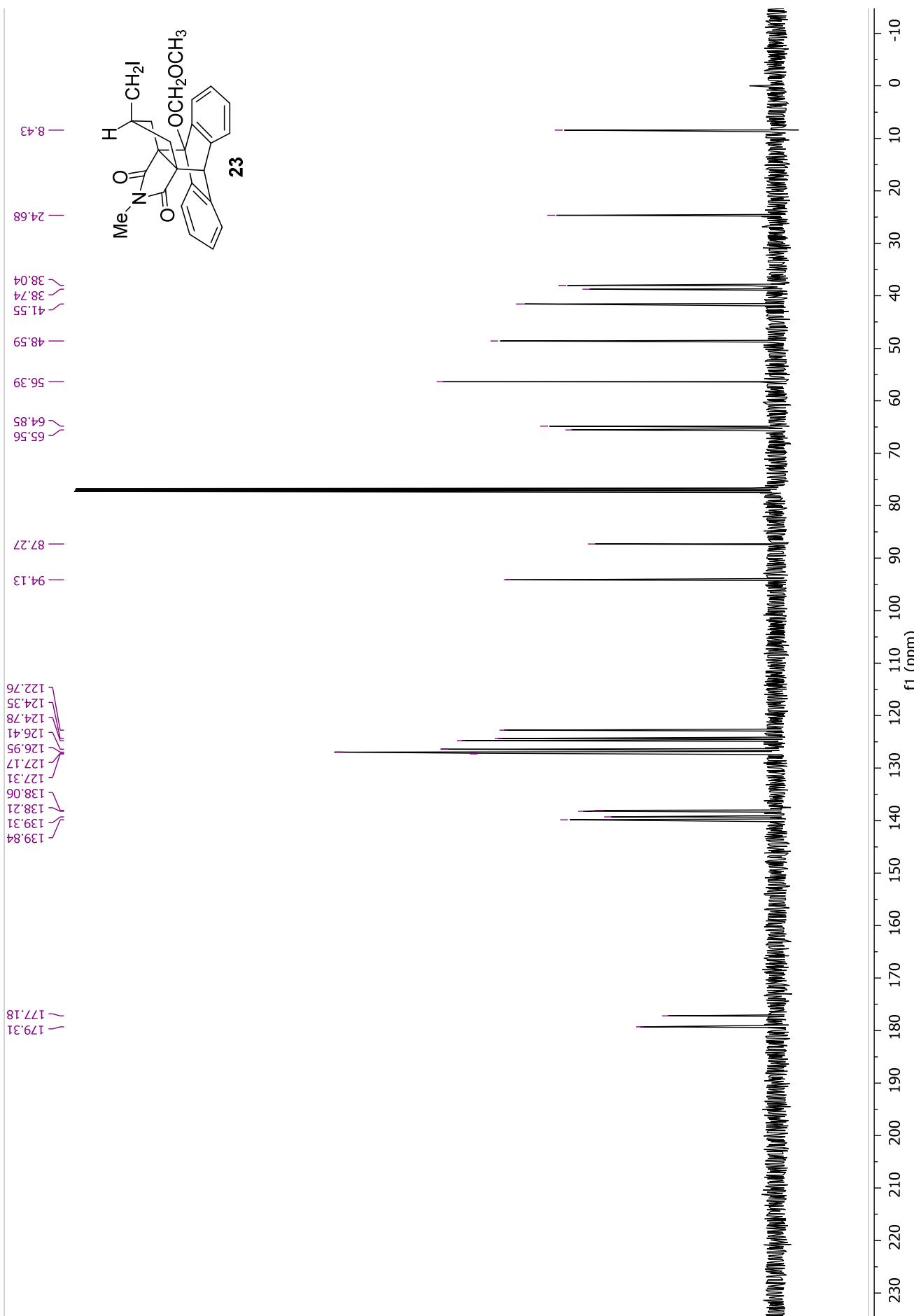


IR (ATR)

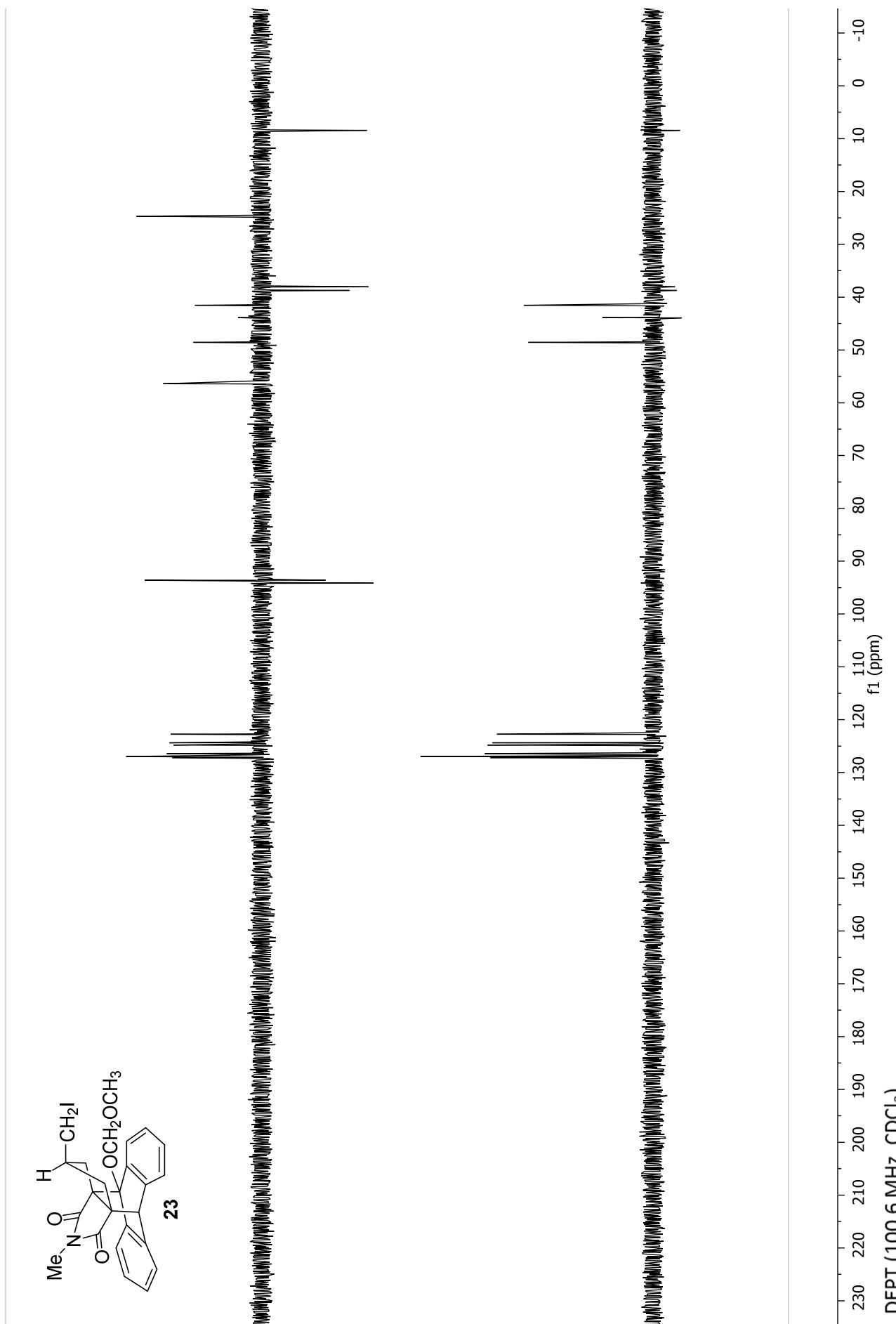
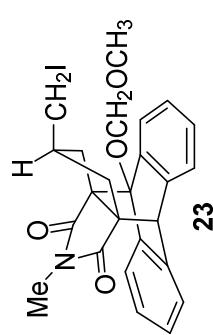
NMR and IR spectra of compound **23**

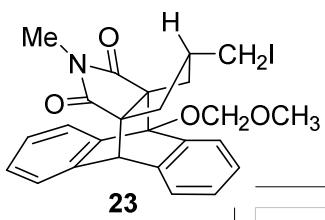


NMR and IR spectra of compound **23**

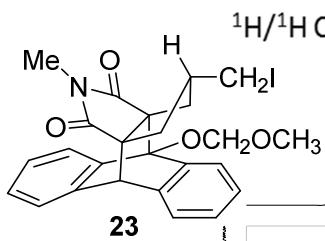
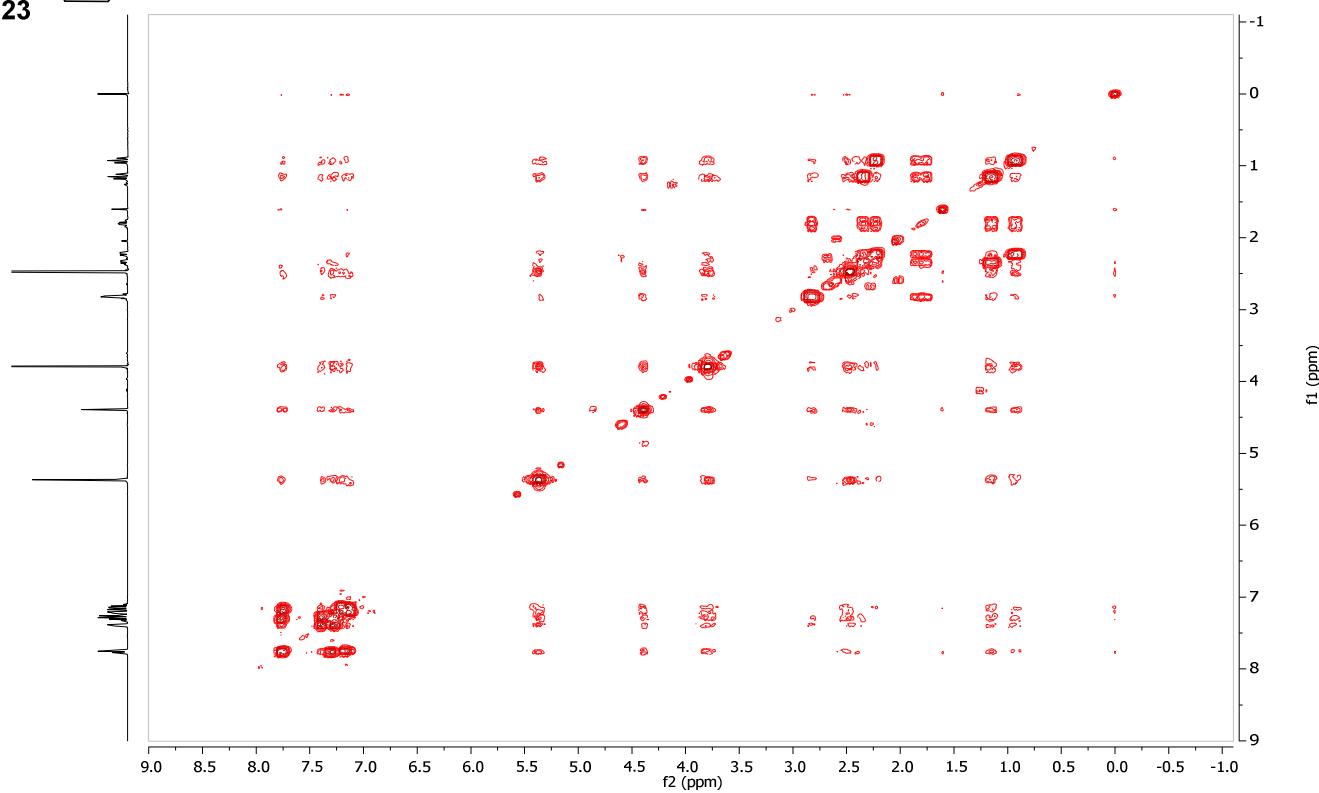


NMR and IR spectra of compound **23**

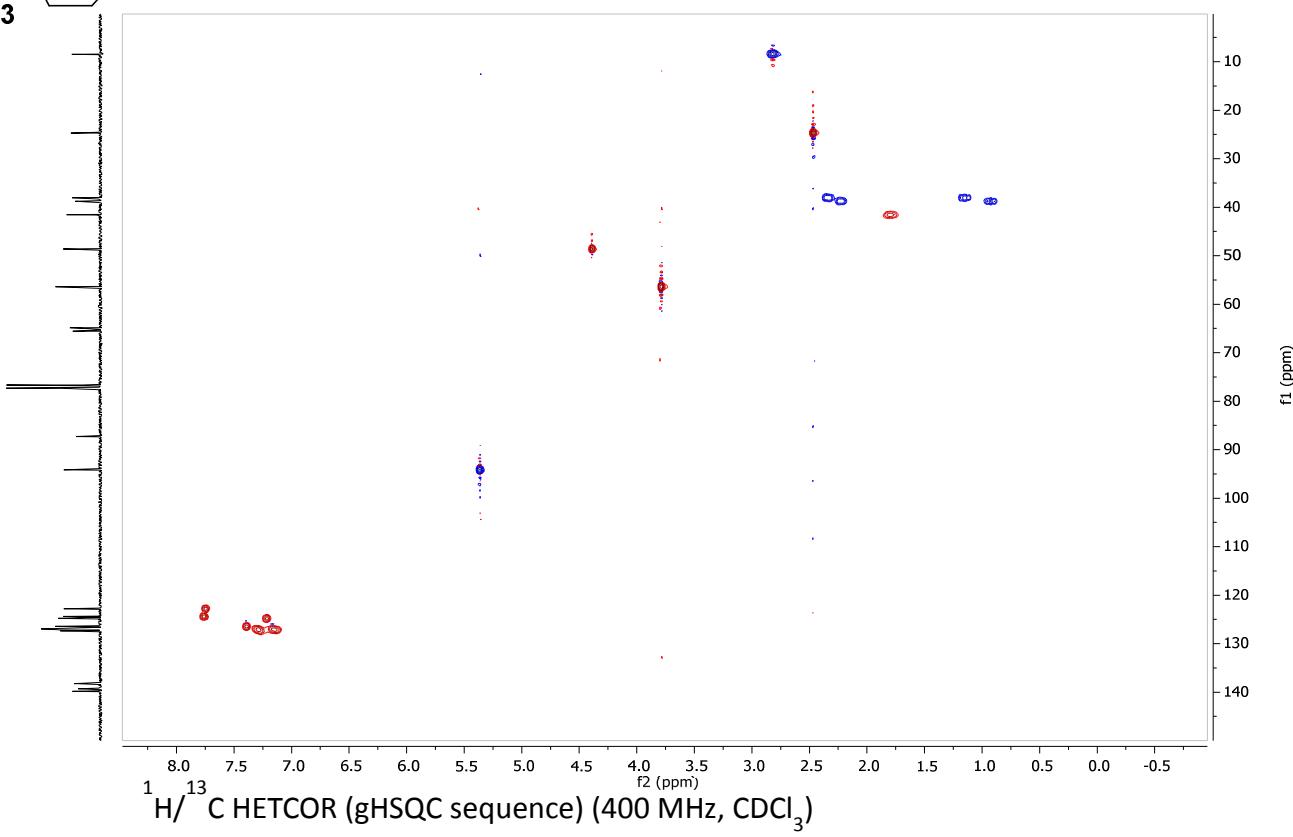


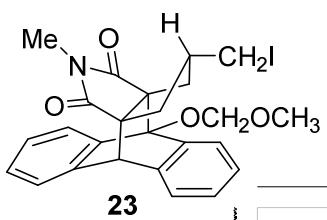


NMR and IR spectra of compound **23**

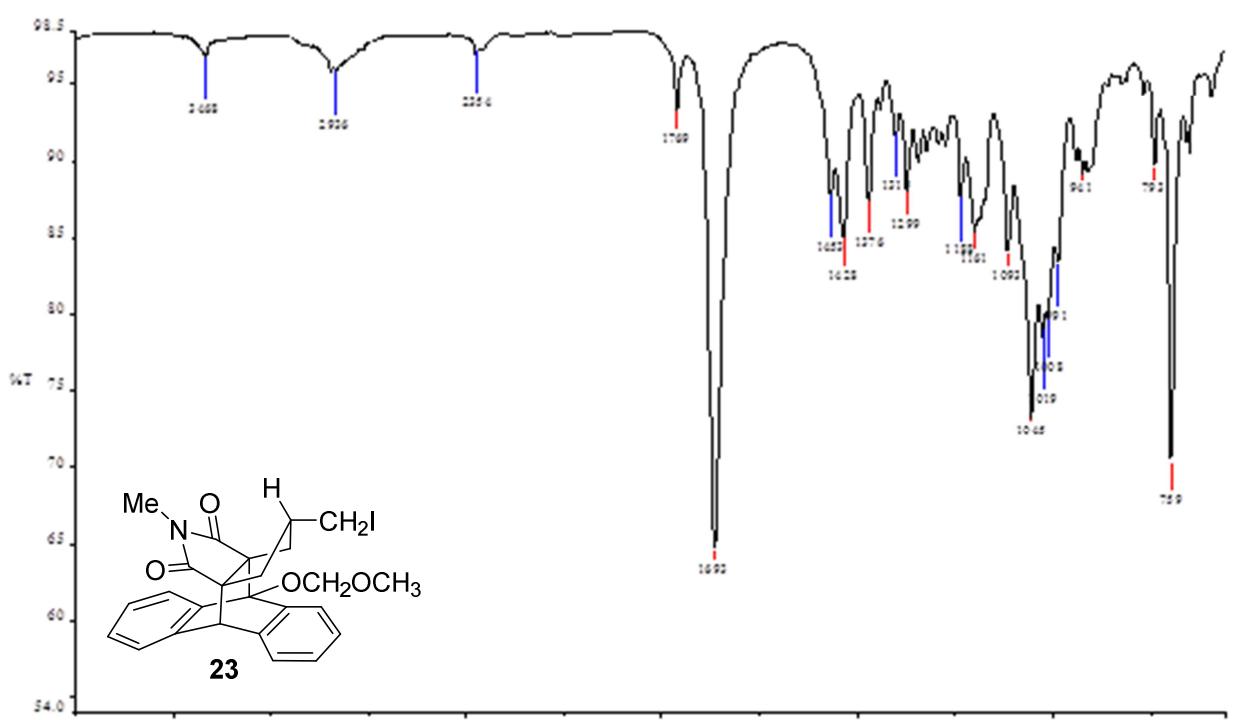
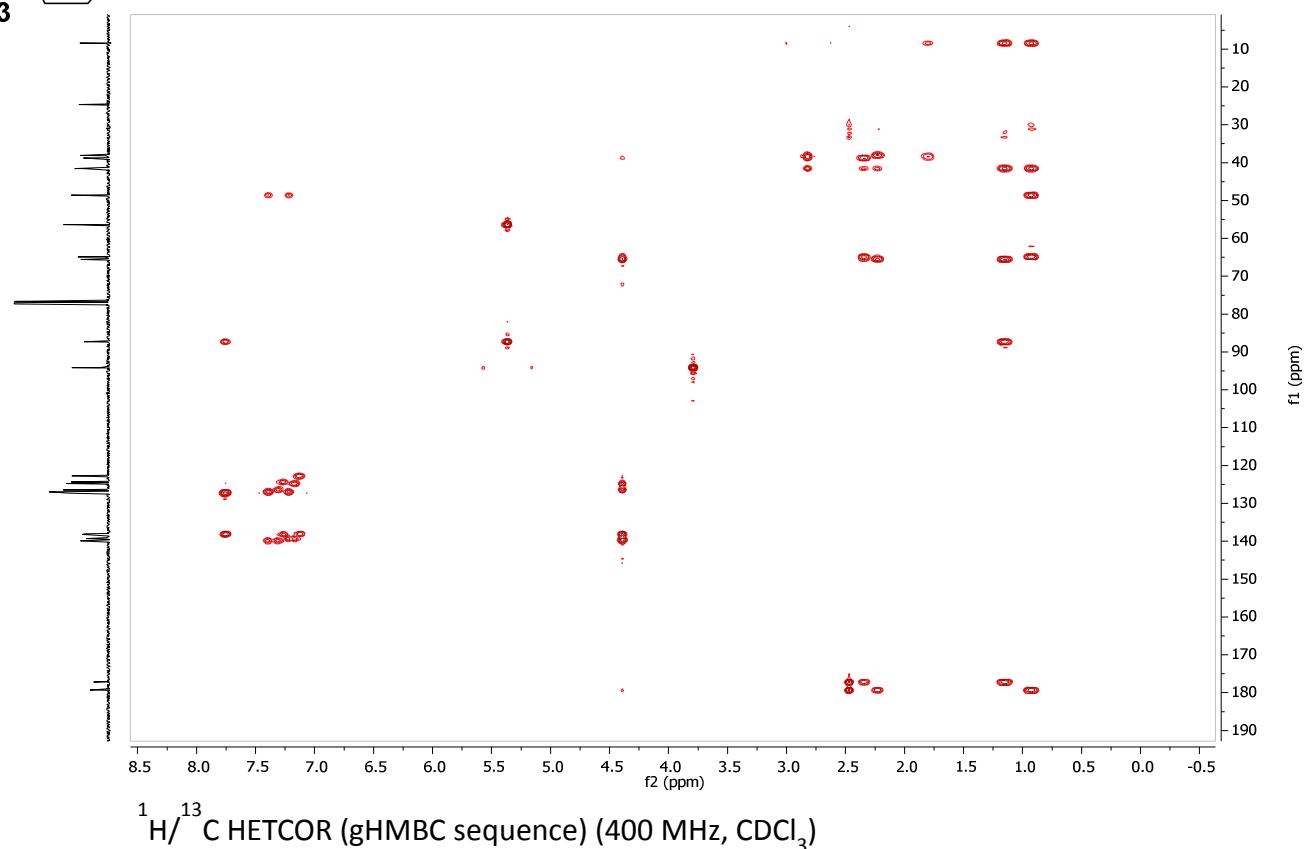


$^1\text{H}/^1\text{H}$  COSY (400 MHz,  $\text{CDCl}_3$ )



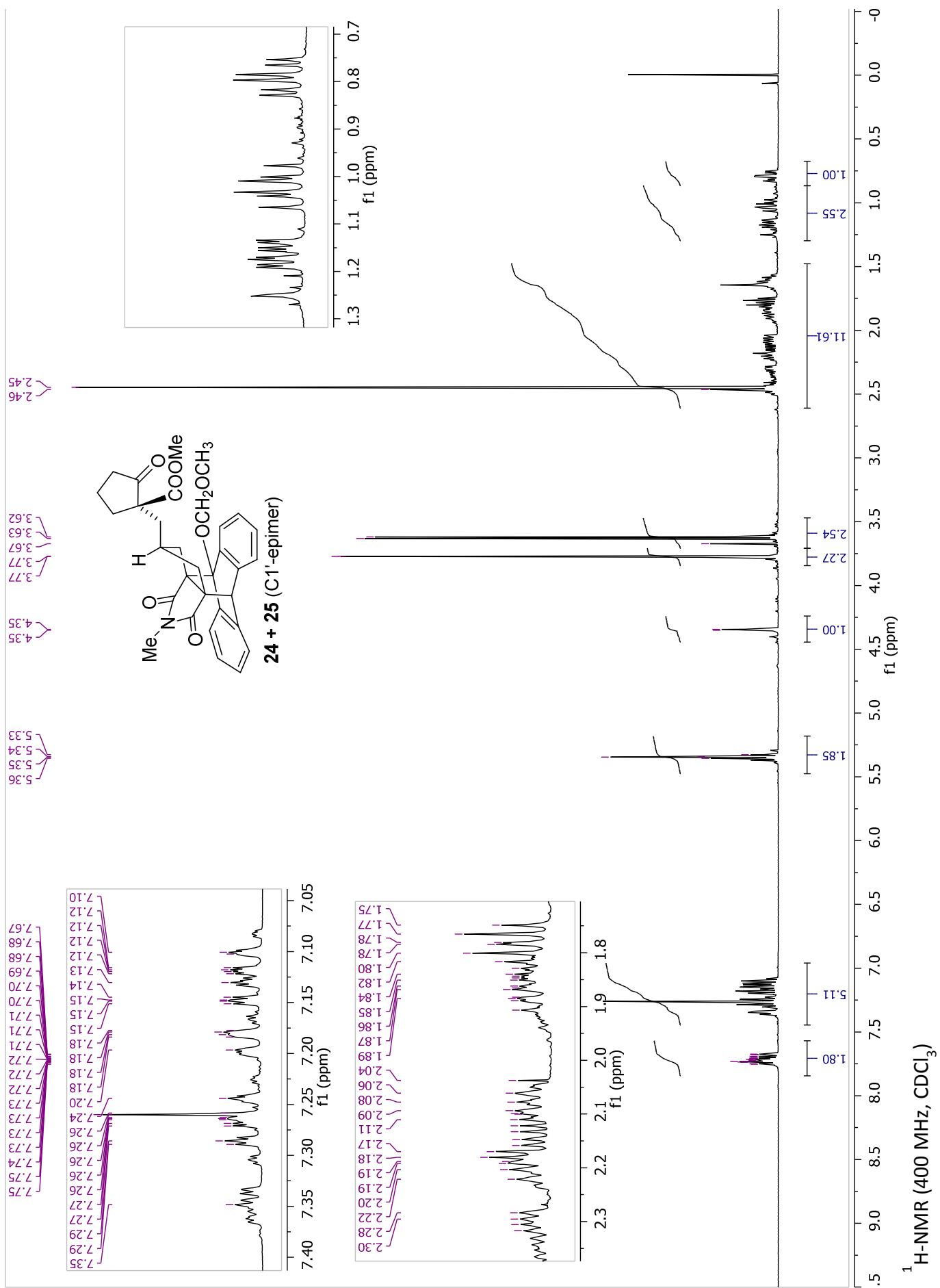


NMR and IR spectra of compound **23**

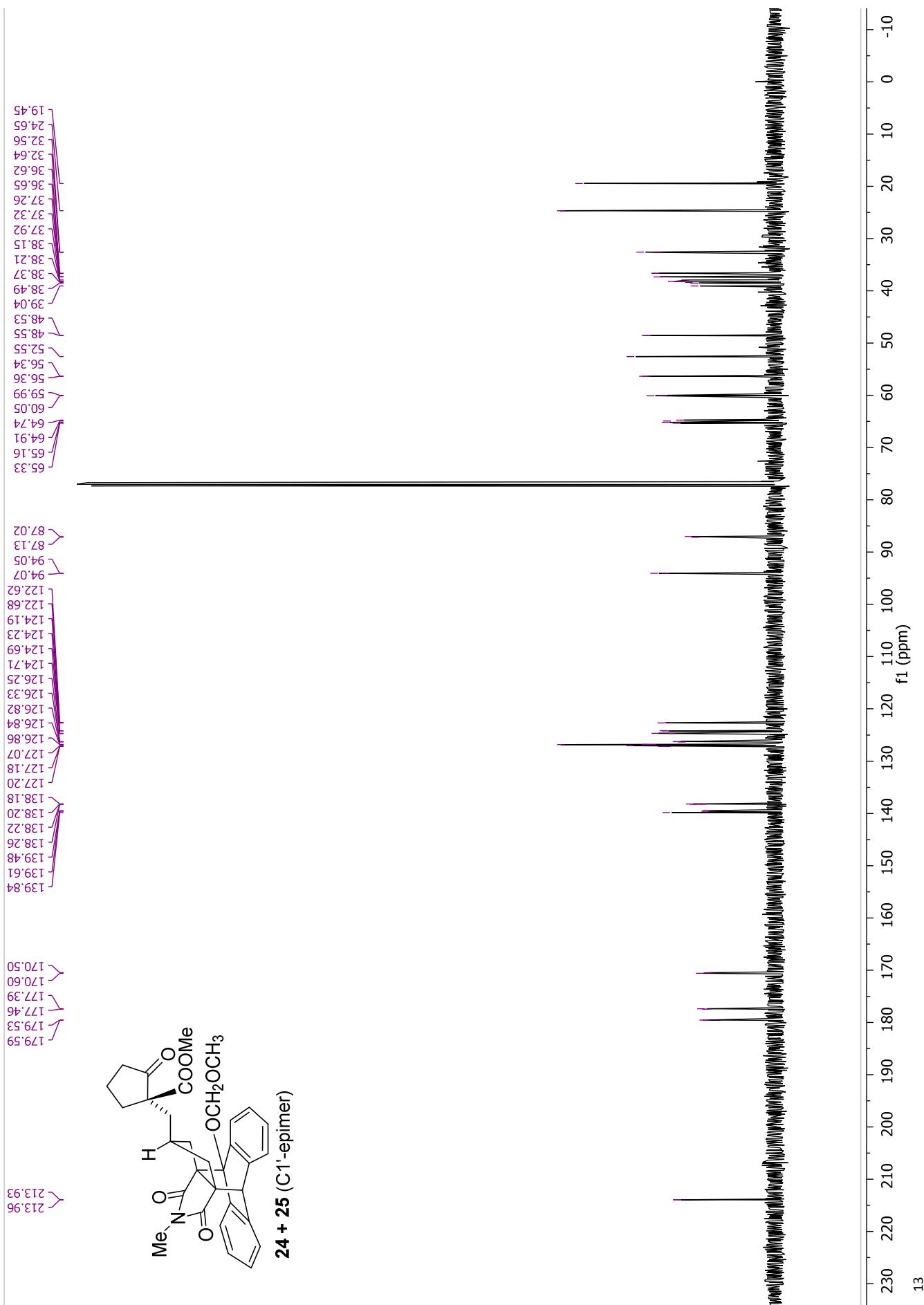


IR (ATR)

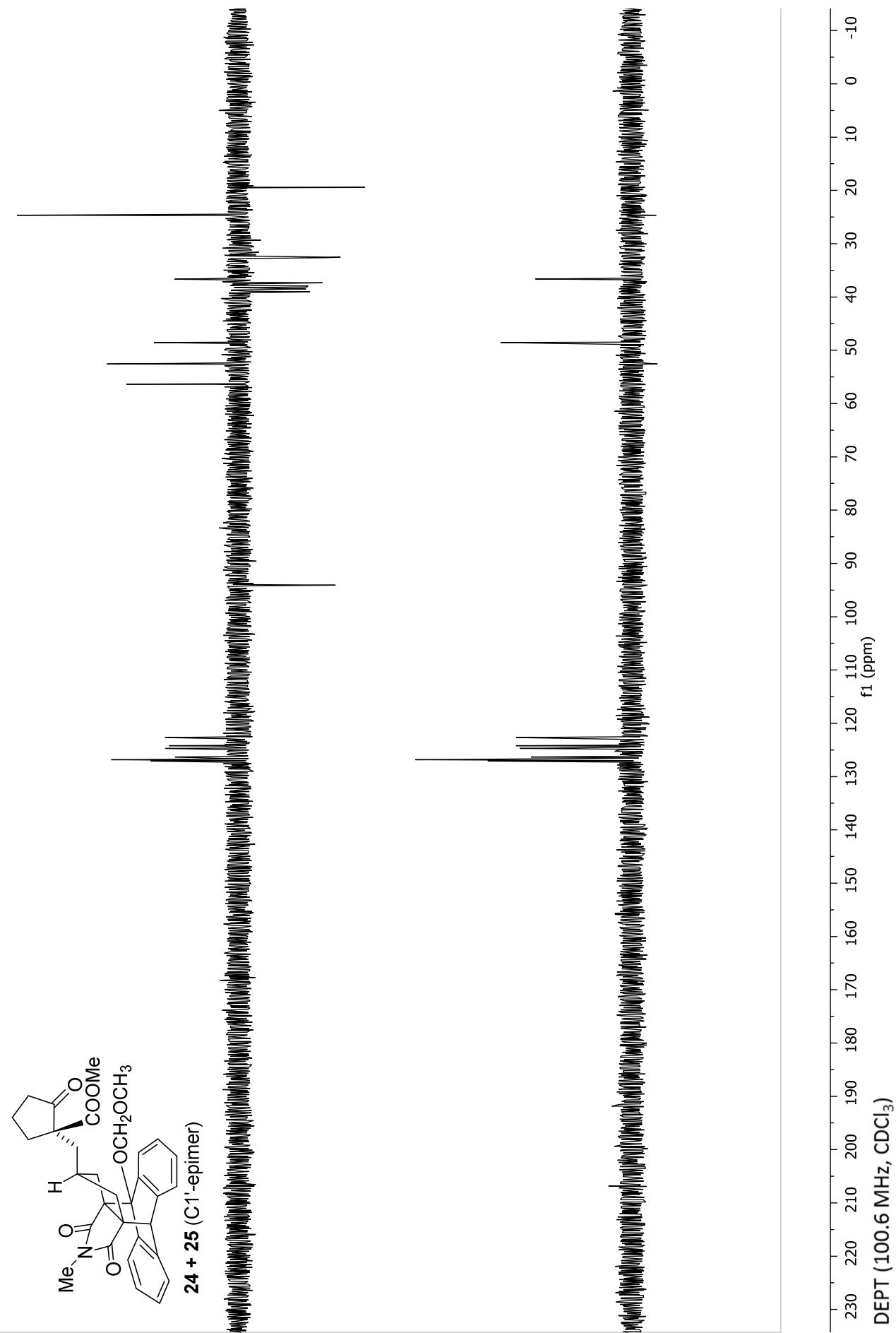
NMR and IR spectra of compounds **24** and **25**

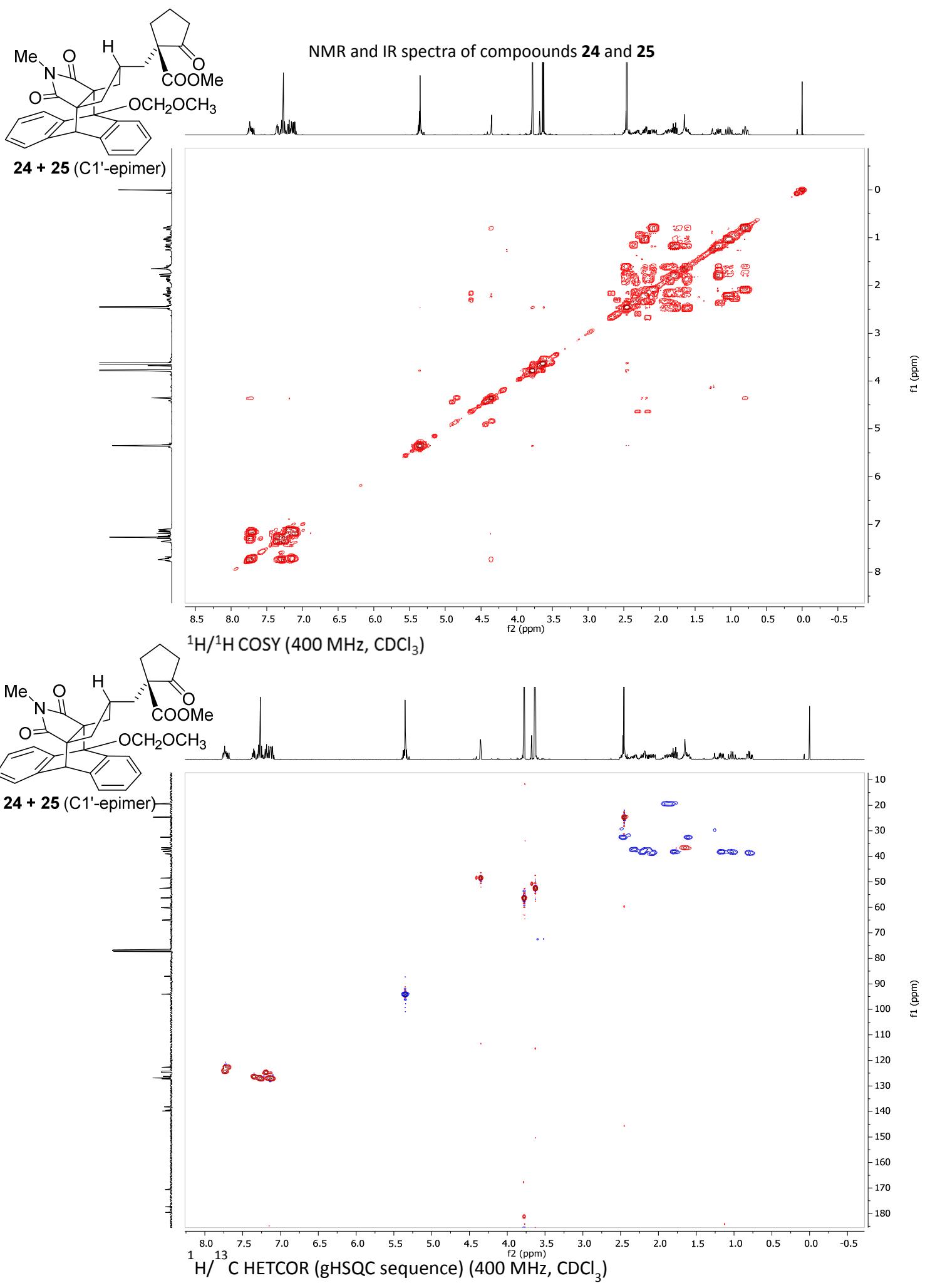


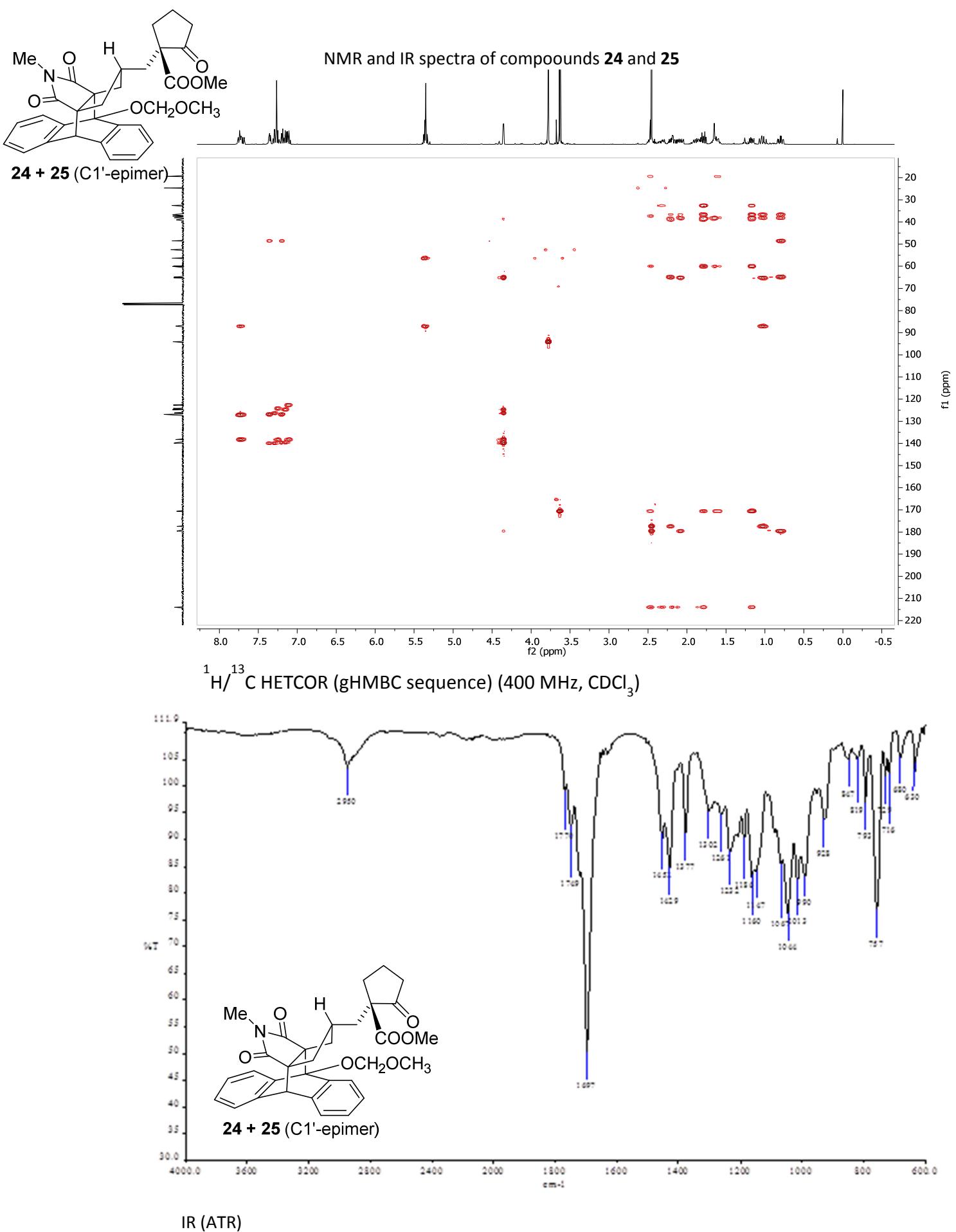
NMR and IR spectra of compounds **24** and **25**



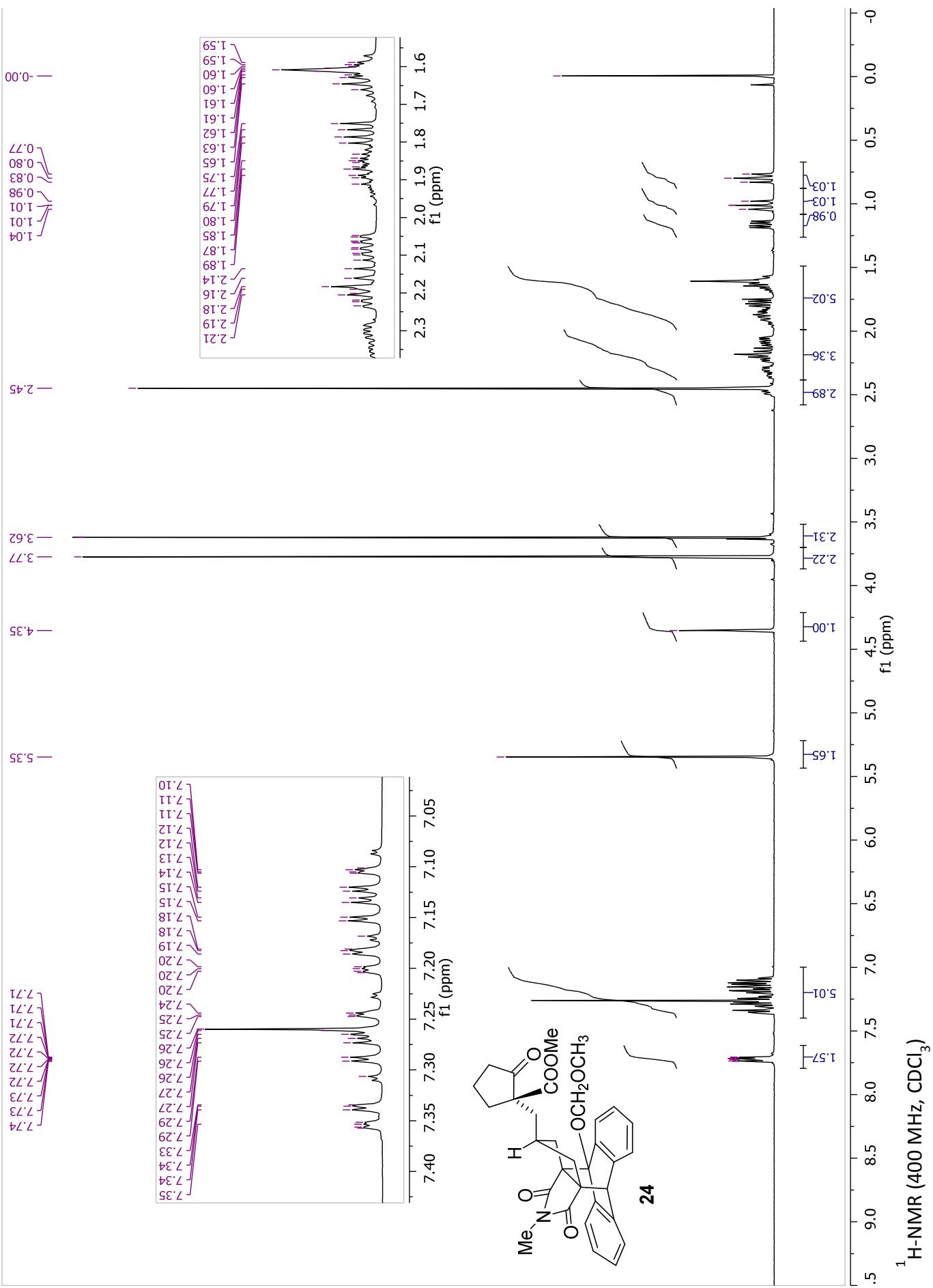
NMR and IR spectra of compounds **24** and **25**



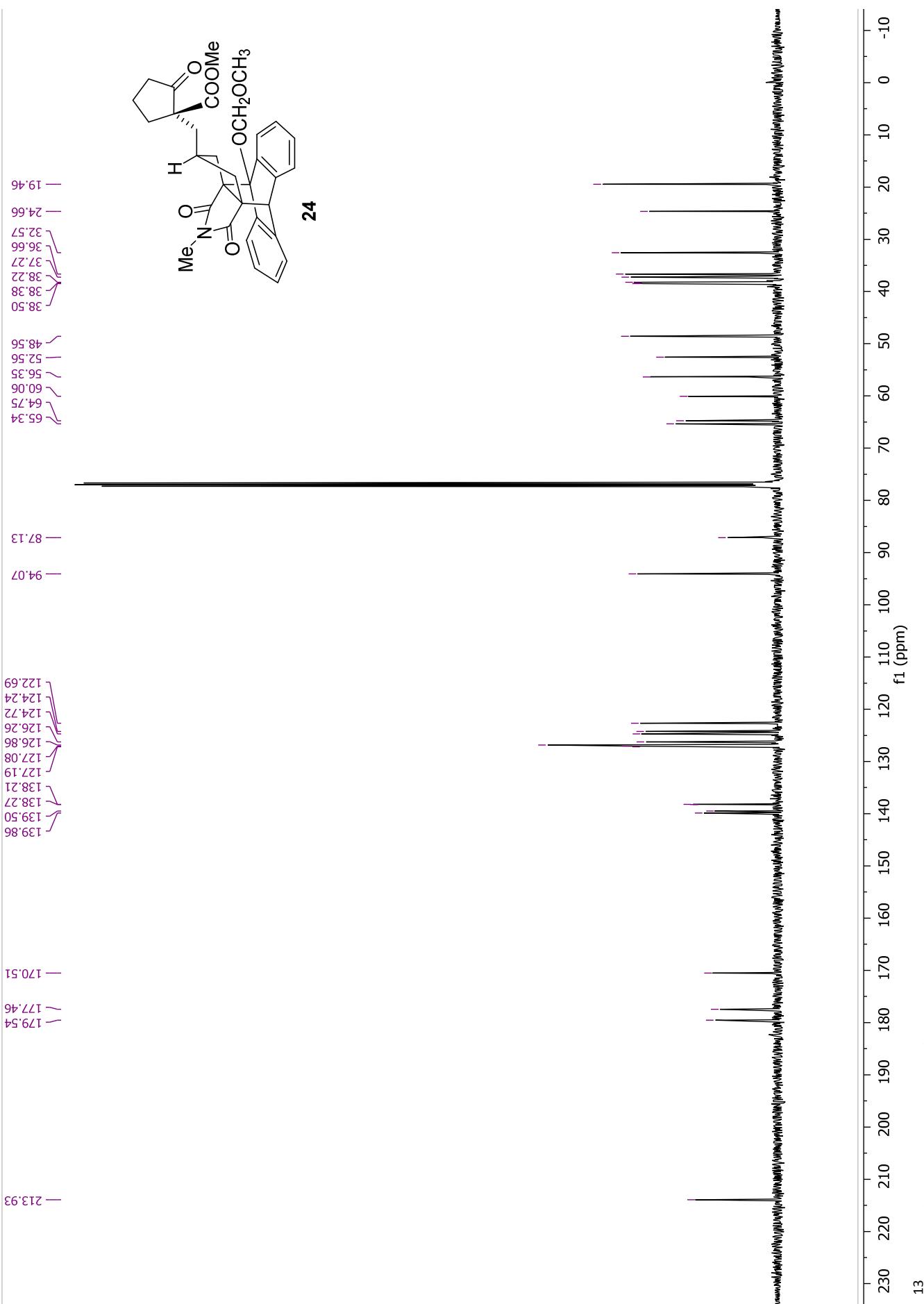




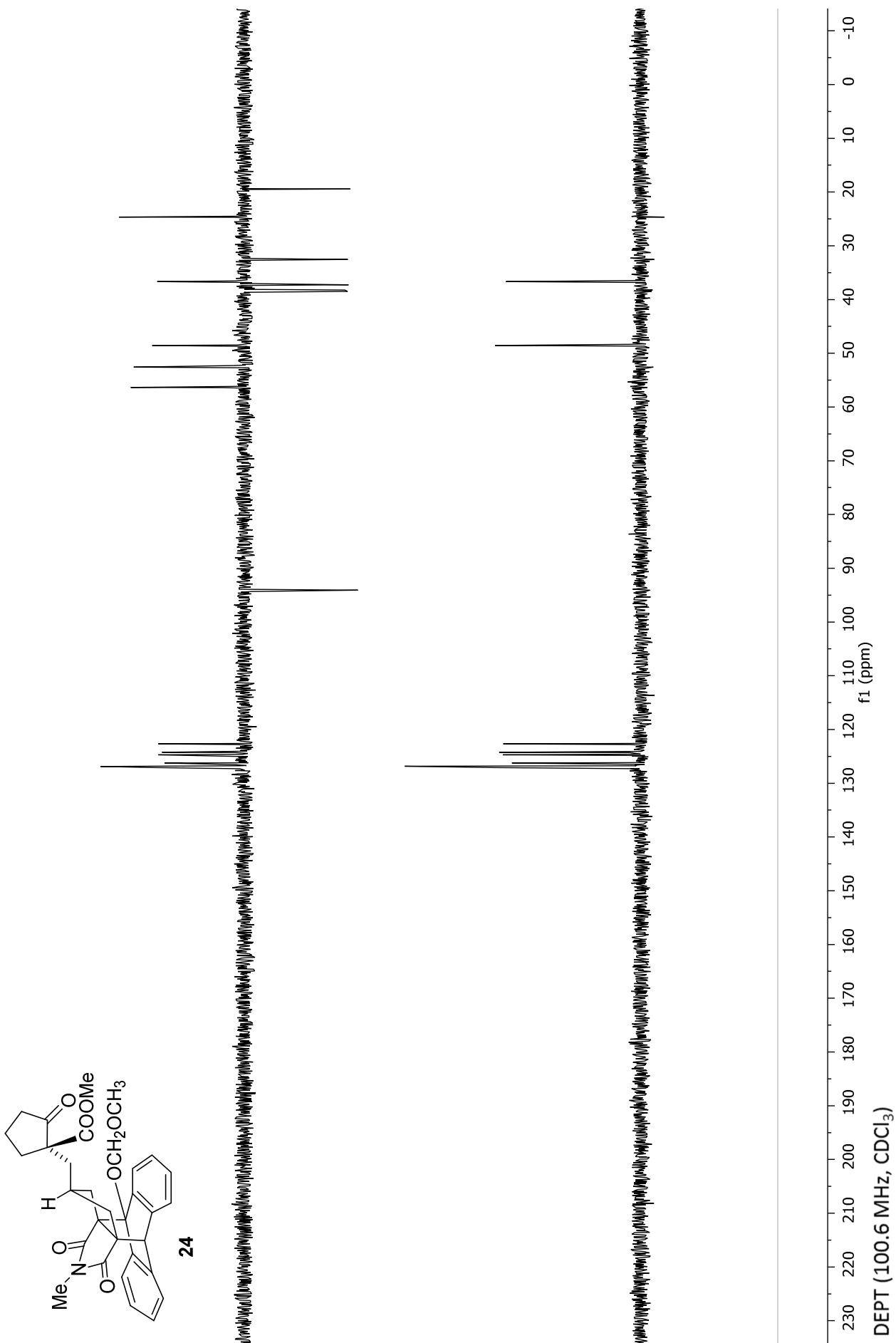
## NMR and IR spectra of compound **24**



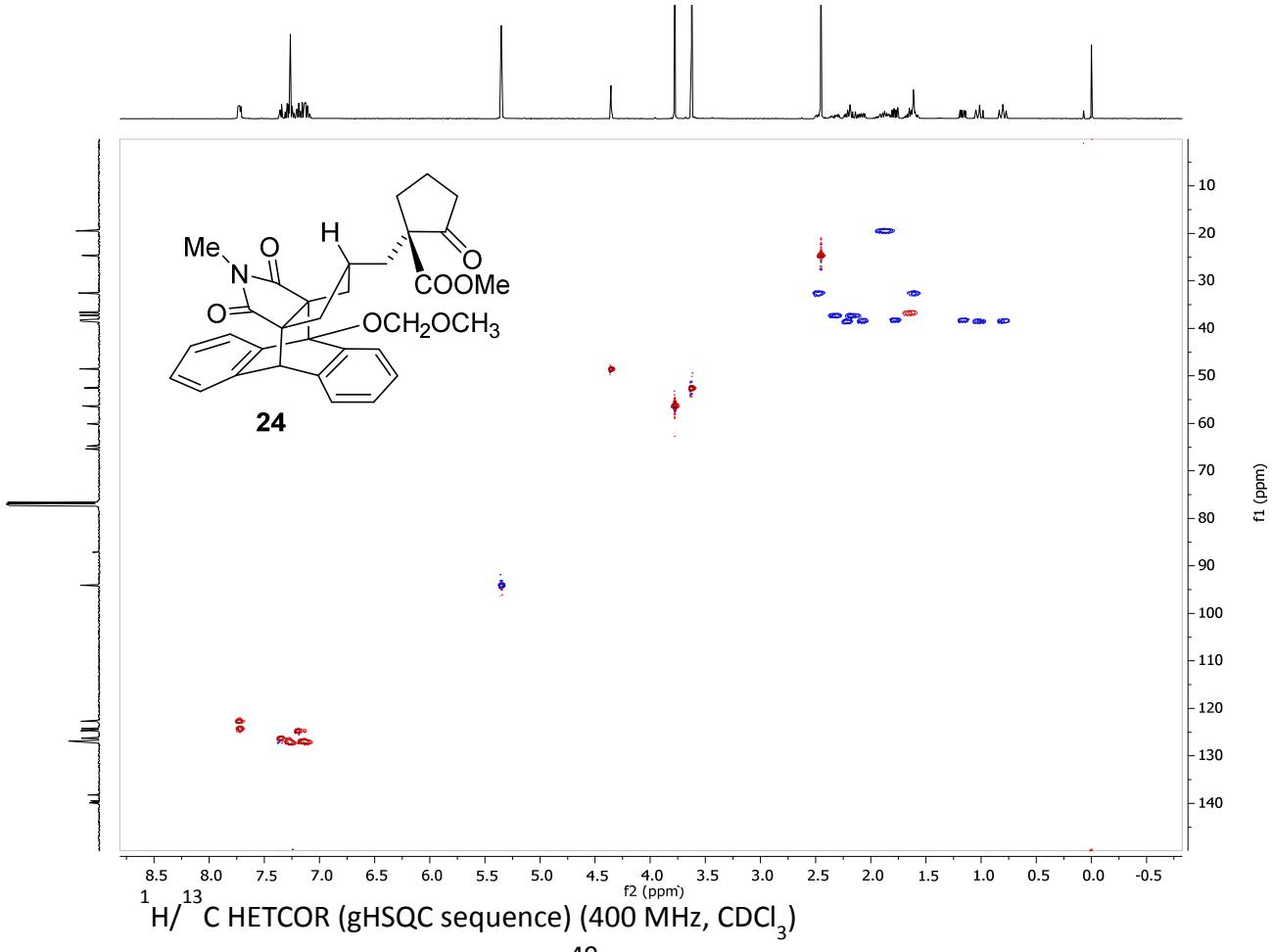
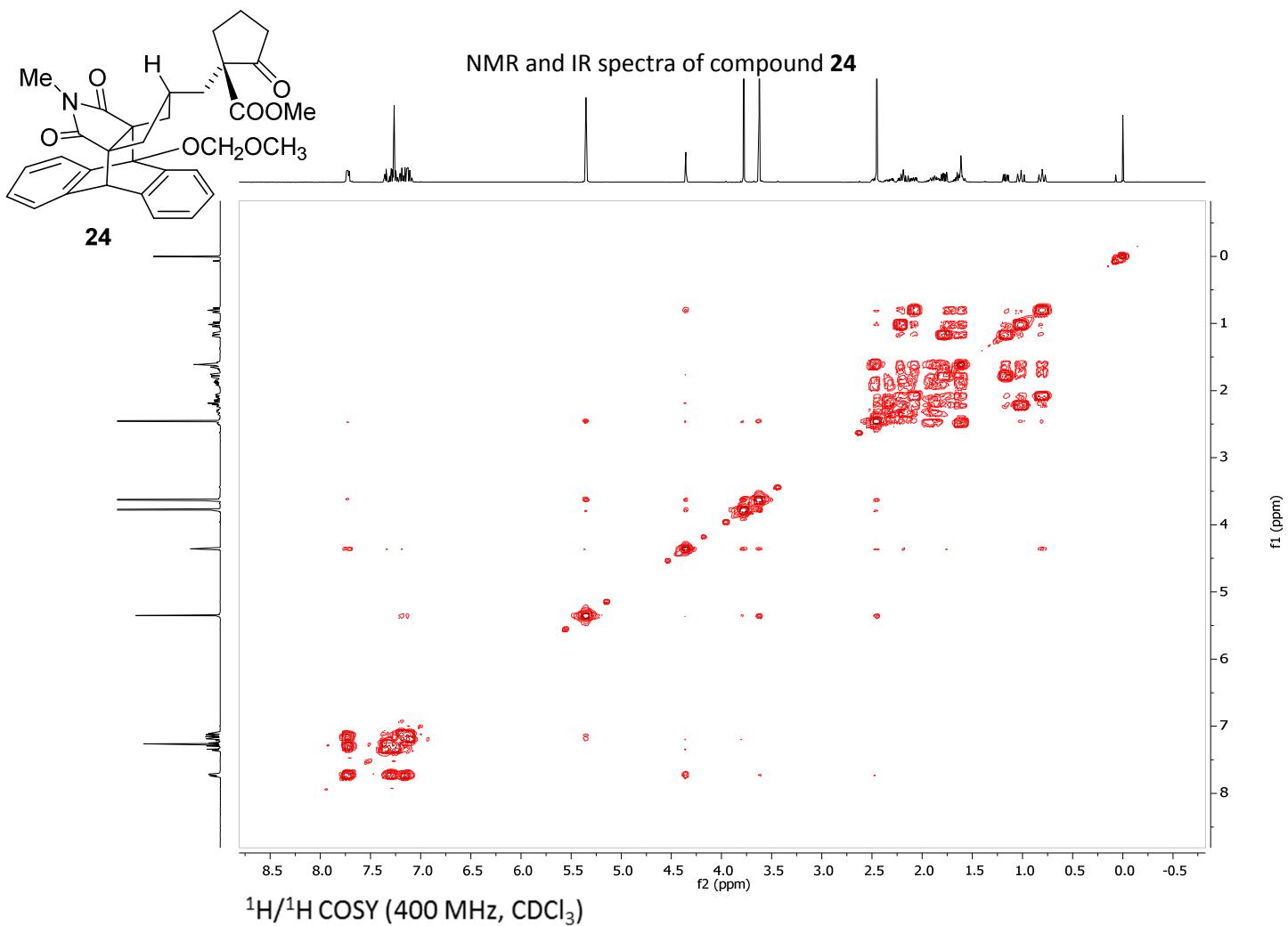
NMR and IR spectra of compound **24**

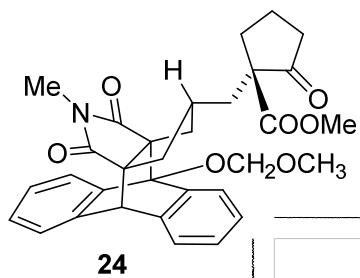


NMR and IR spectra of compound **24**

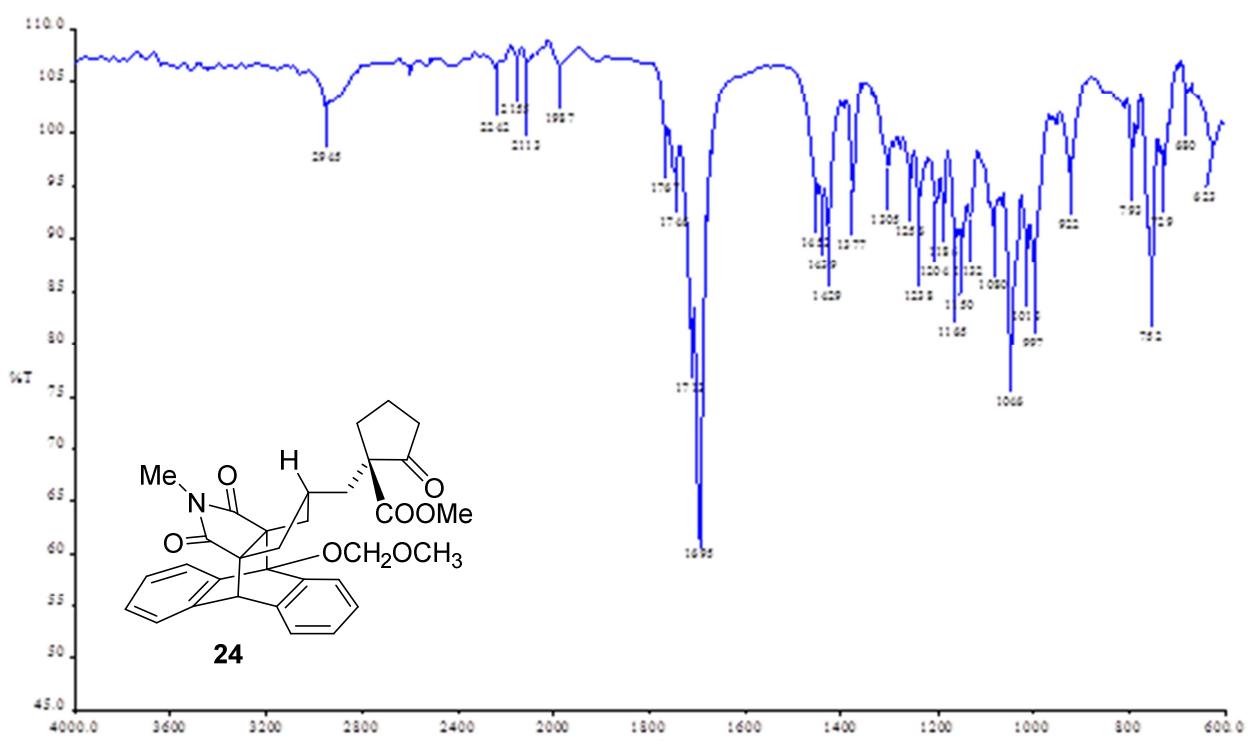
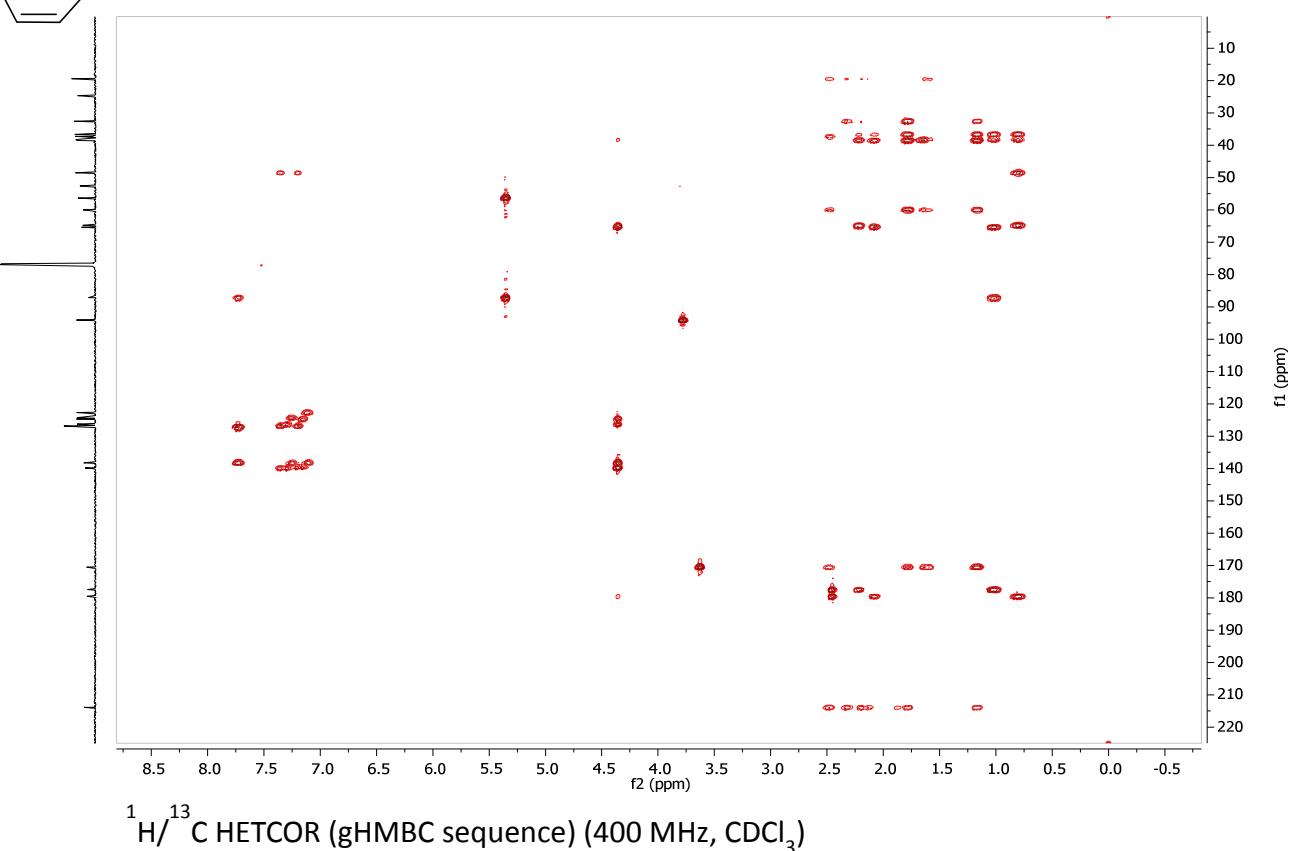


NMR and IR spectra of compound **24**



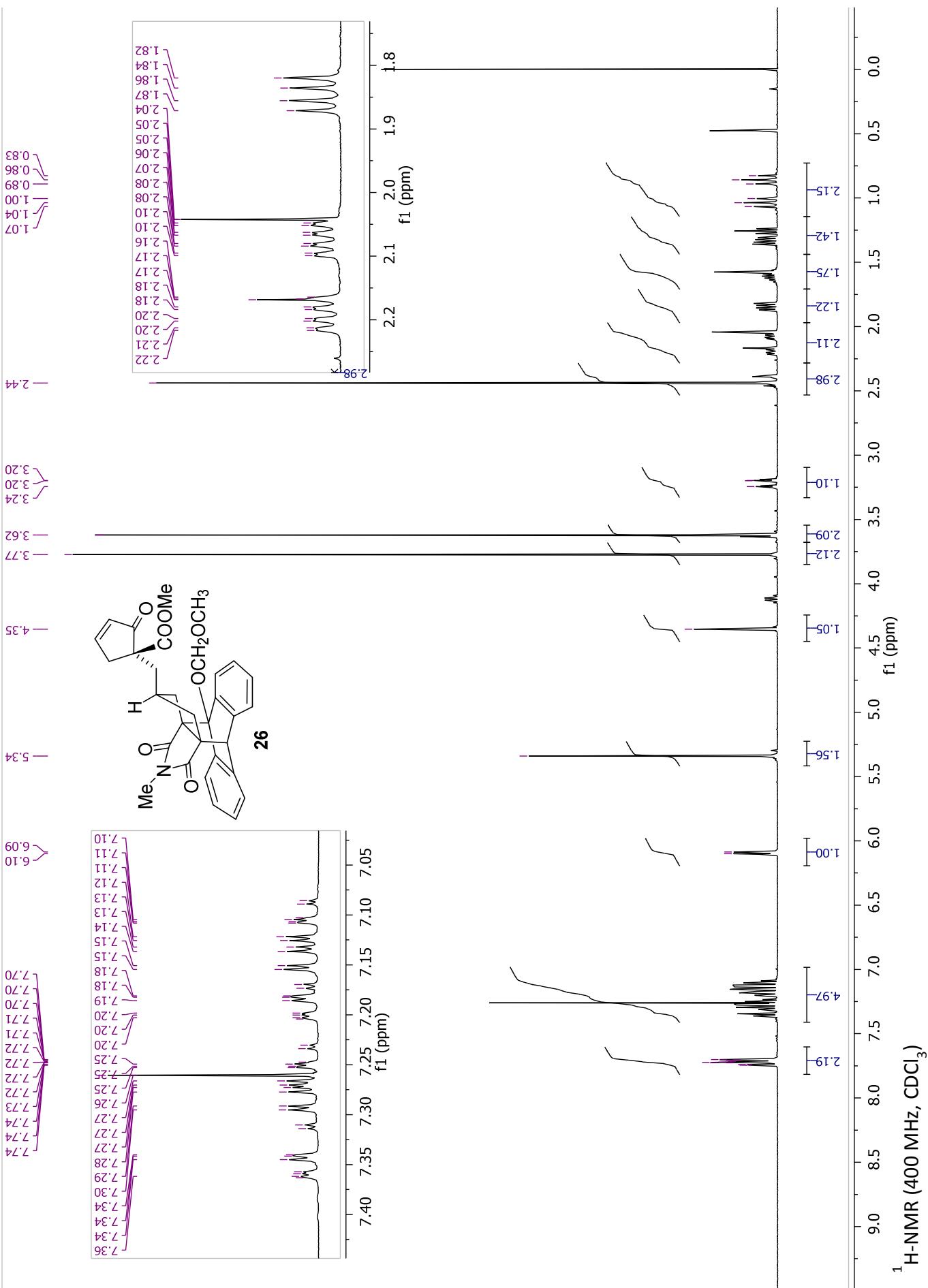


## NMR and IR spectra of compound **24**

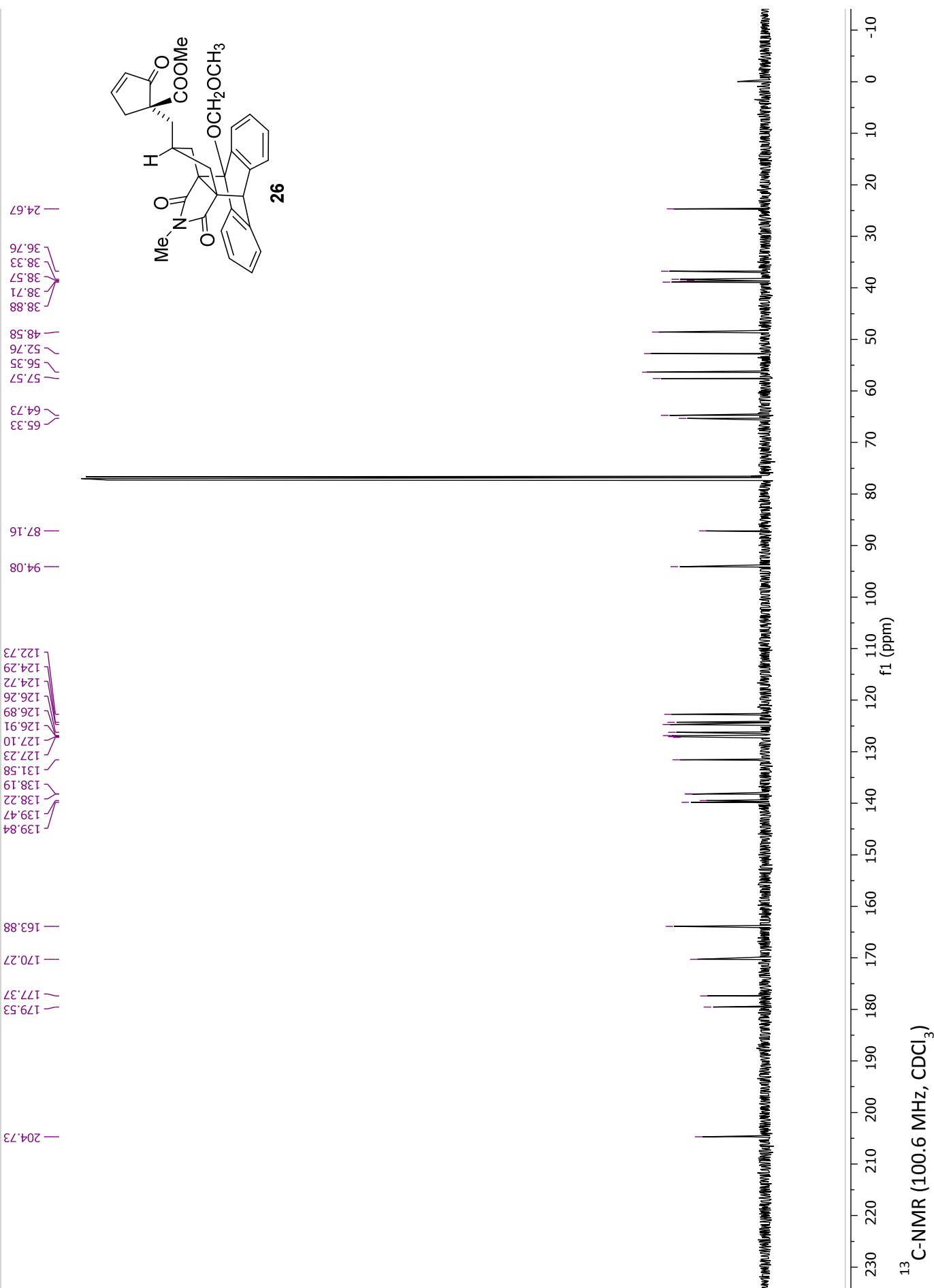


IR (ATR)

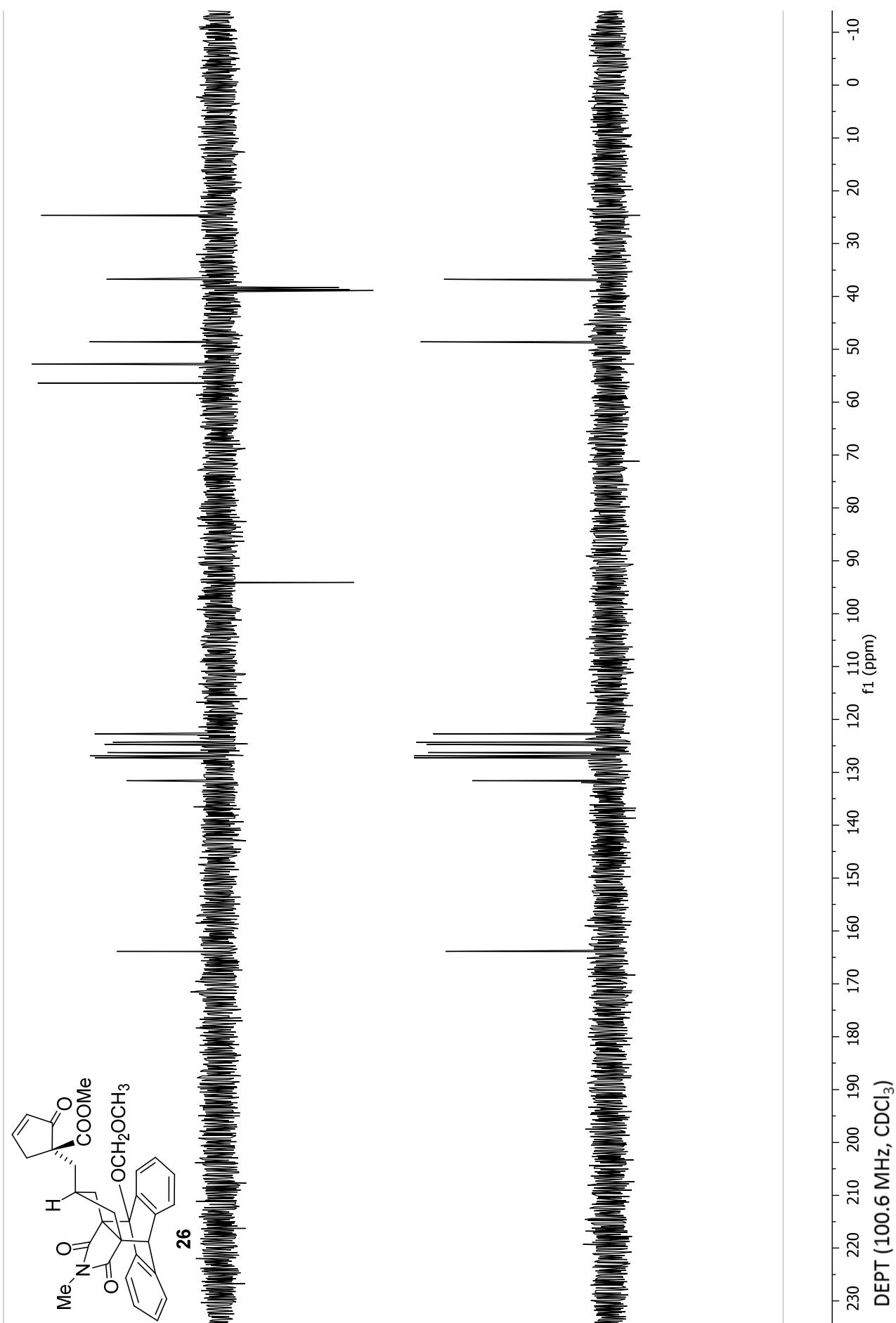
NMR and IR spectra of compound **26**

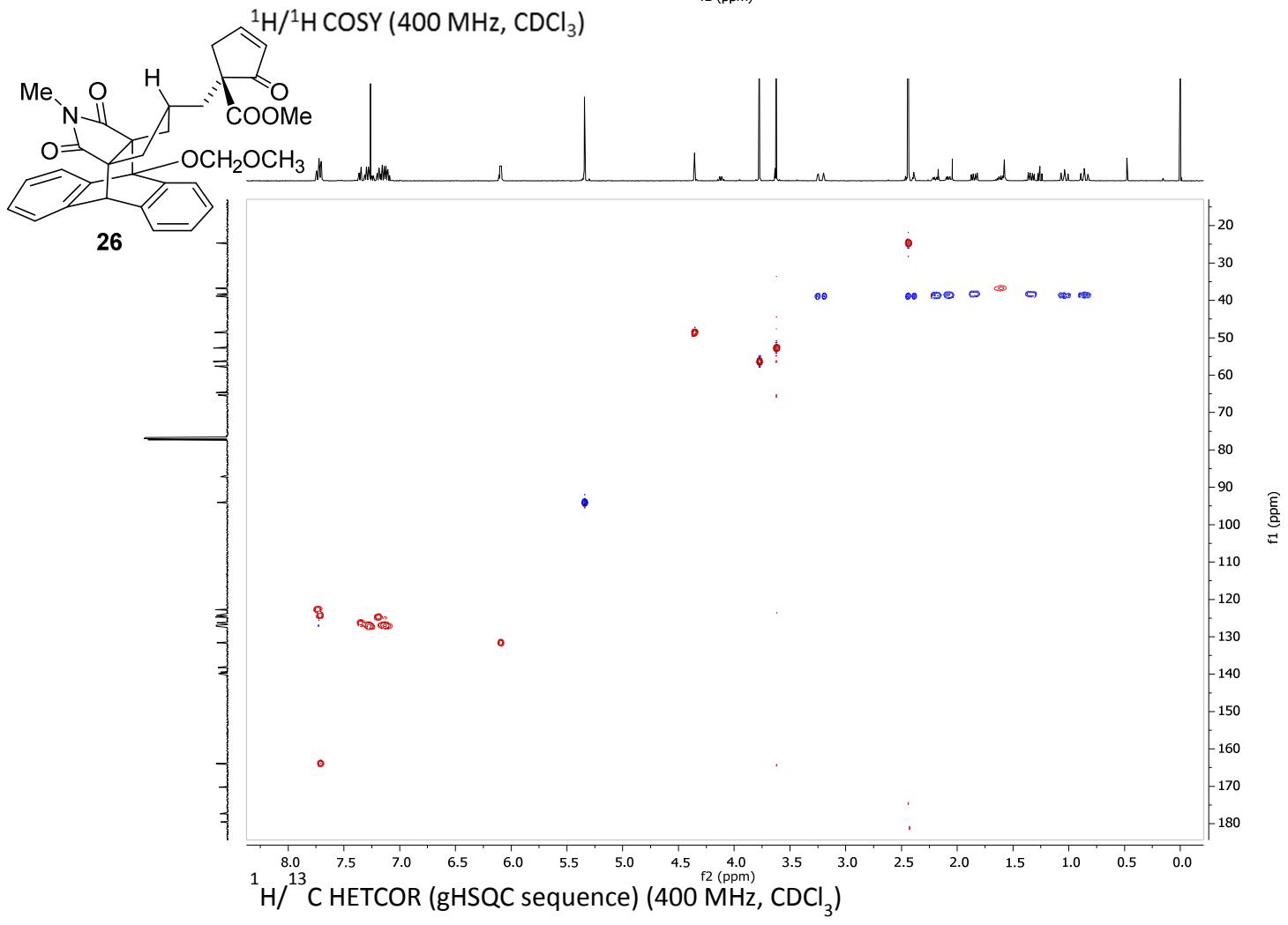
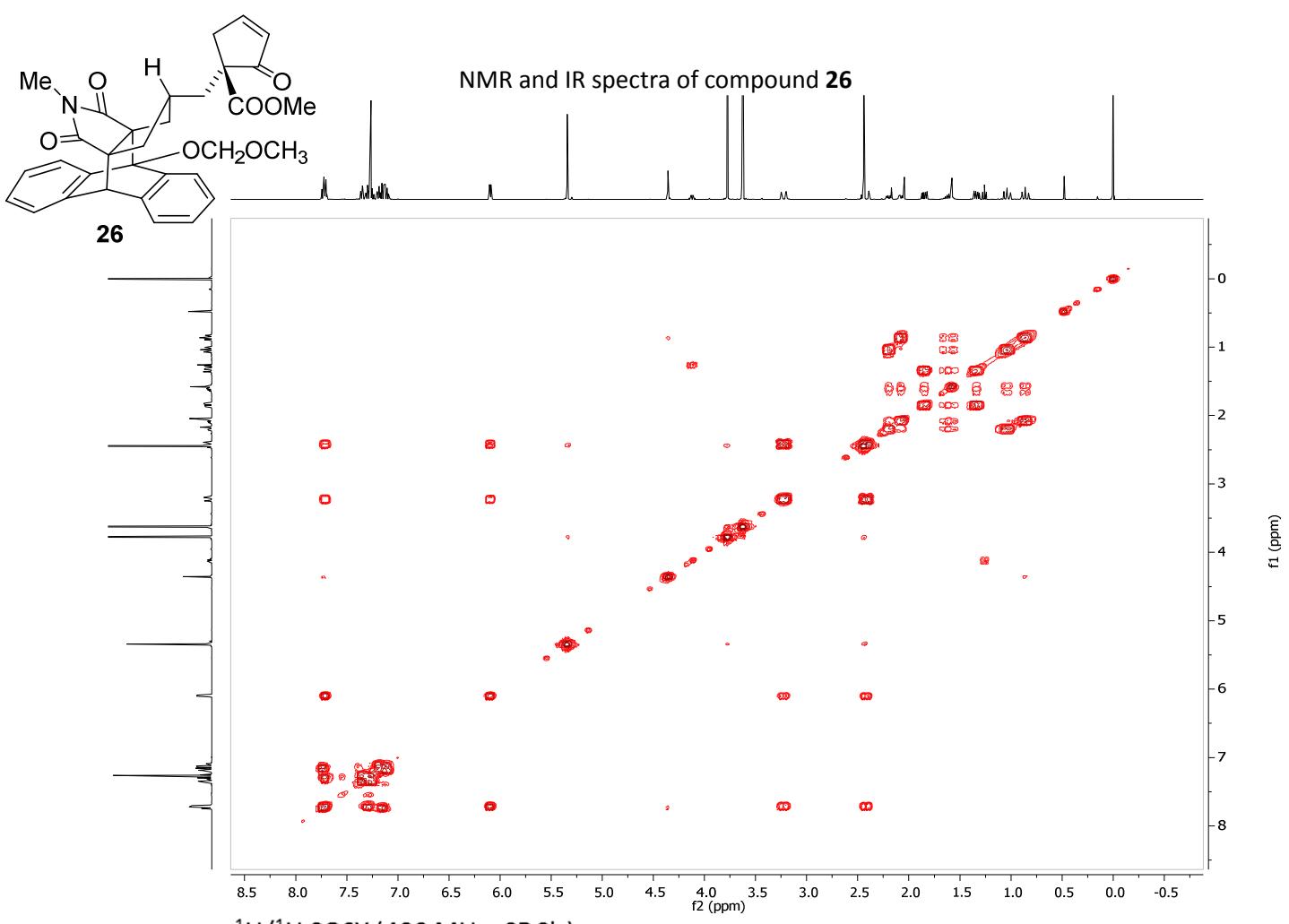


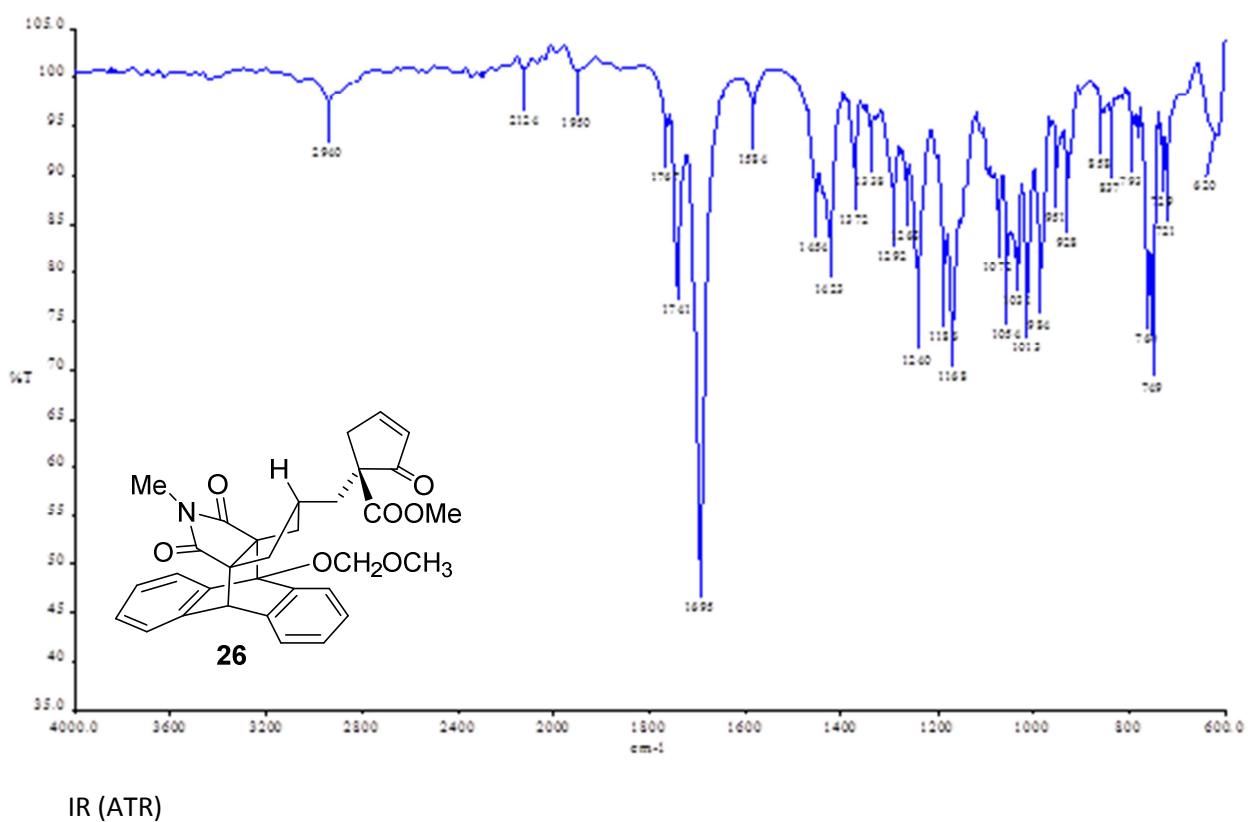
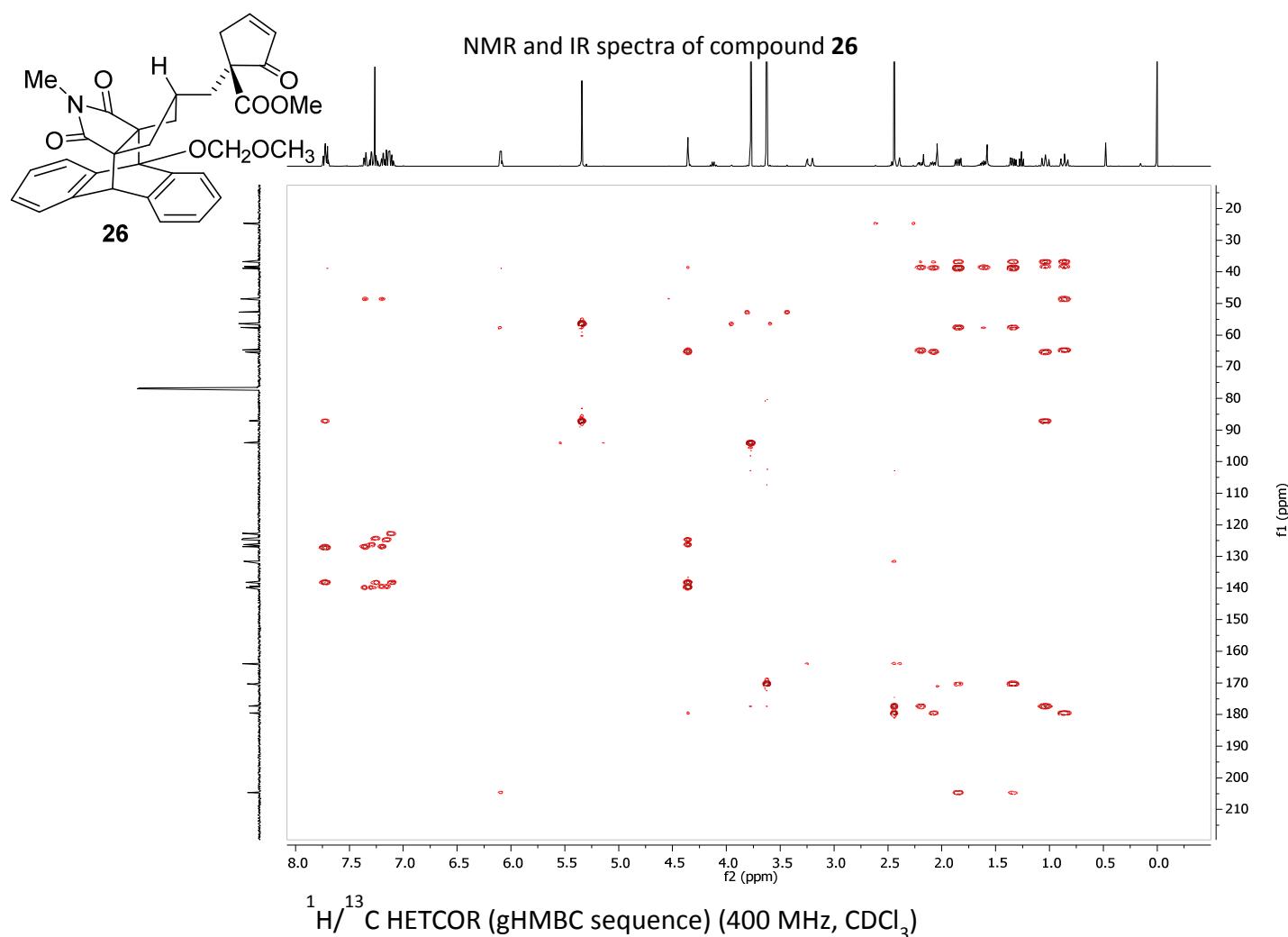
NMR and IR spectra of compound **26**



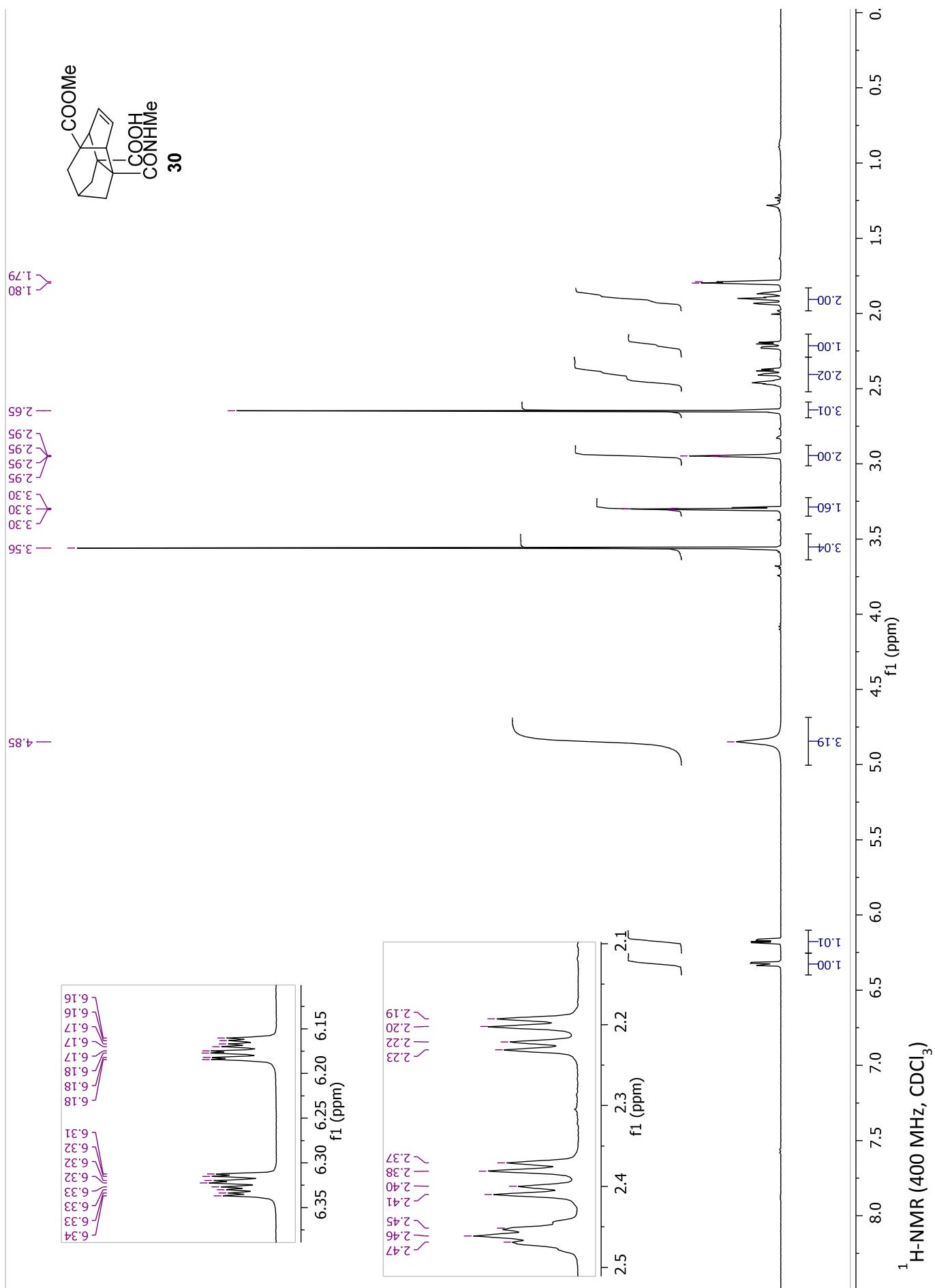
NMR and IR spectra of compound 26



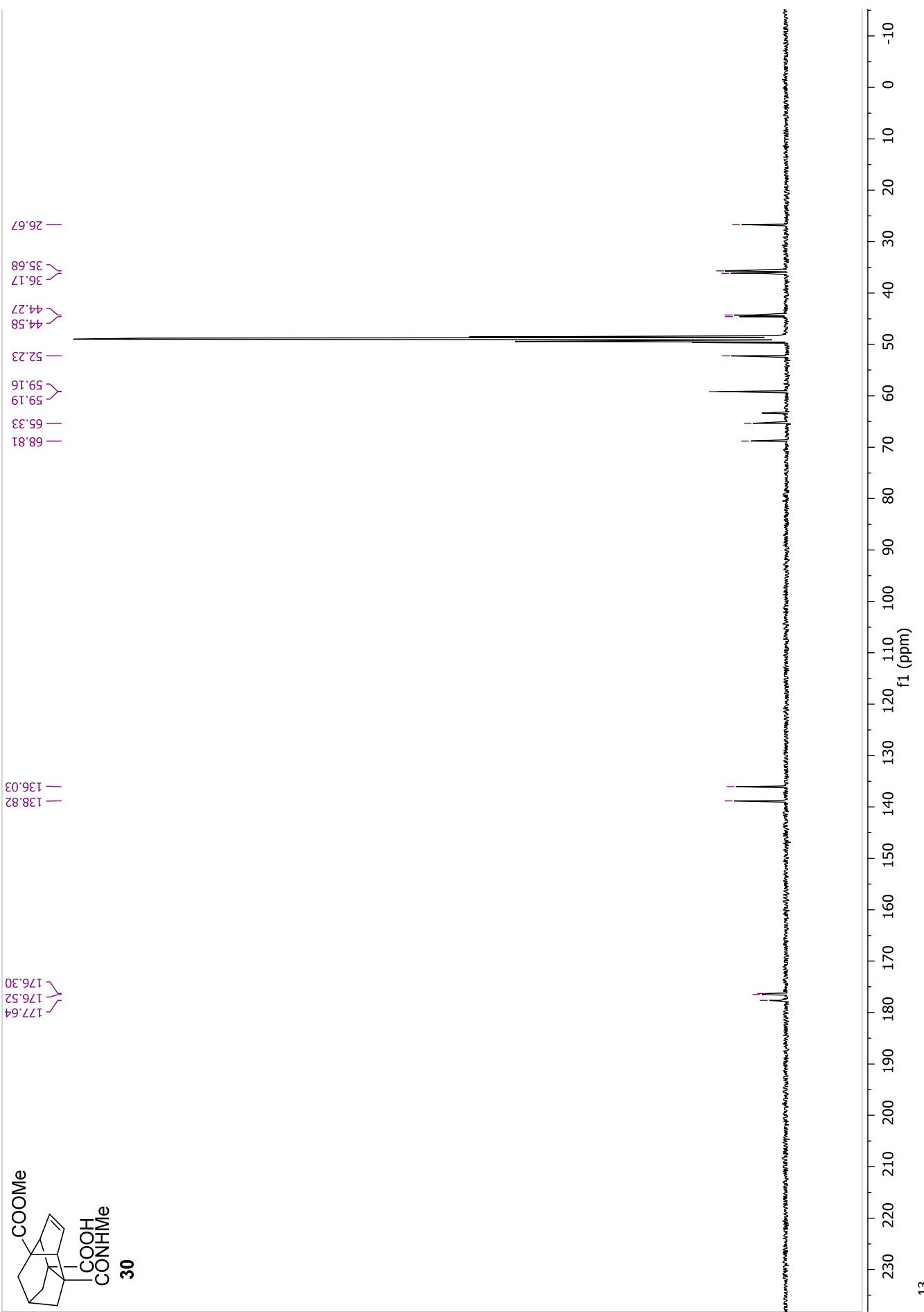




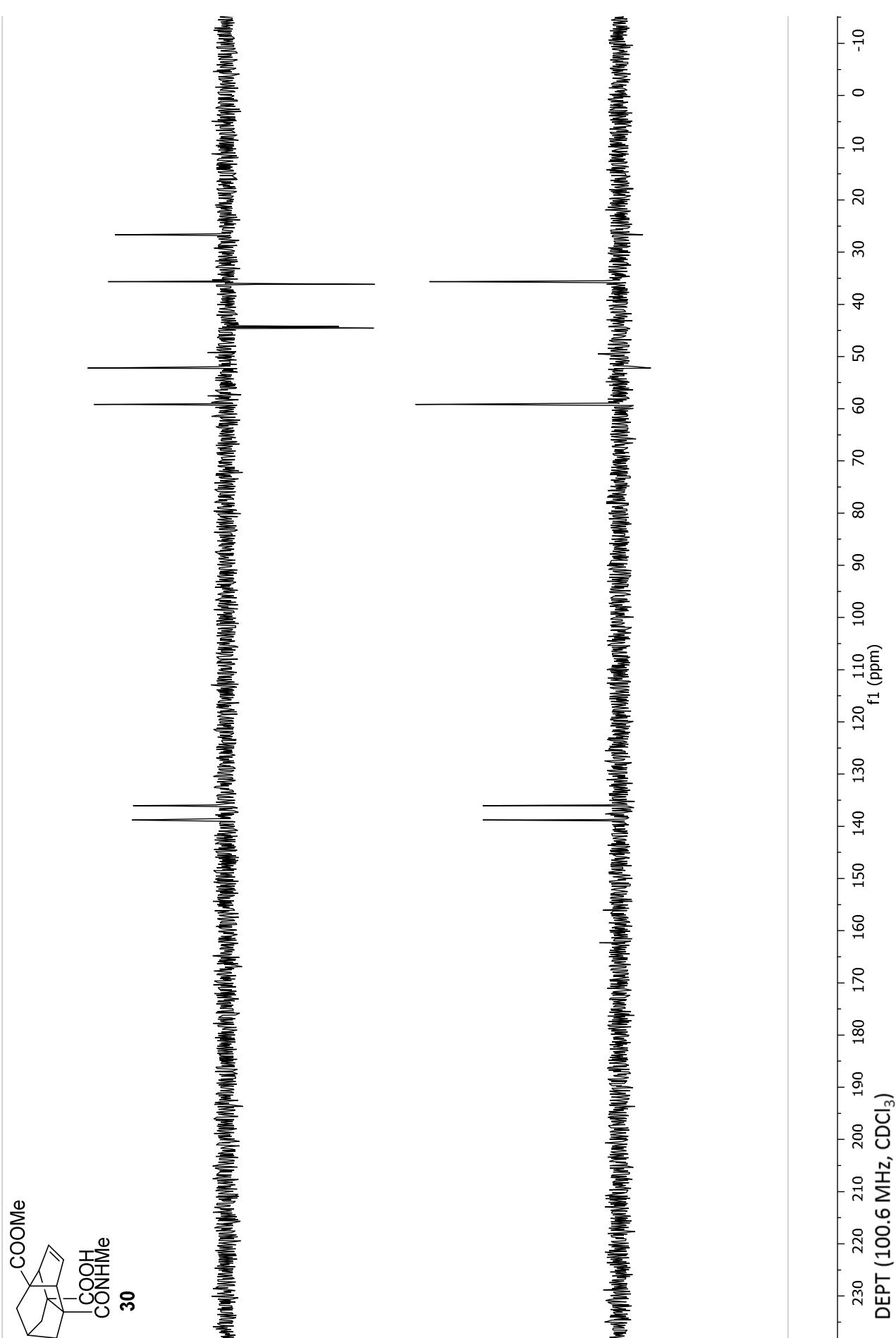
NMR and IR spectra of compound **30**



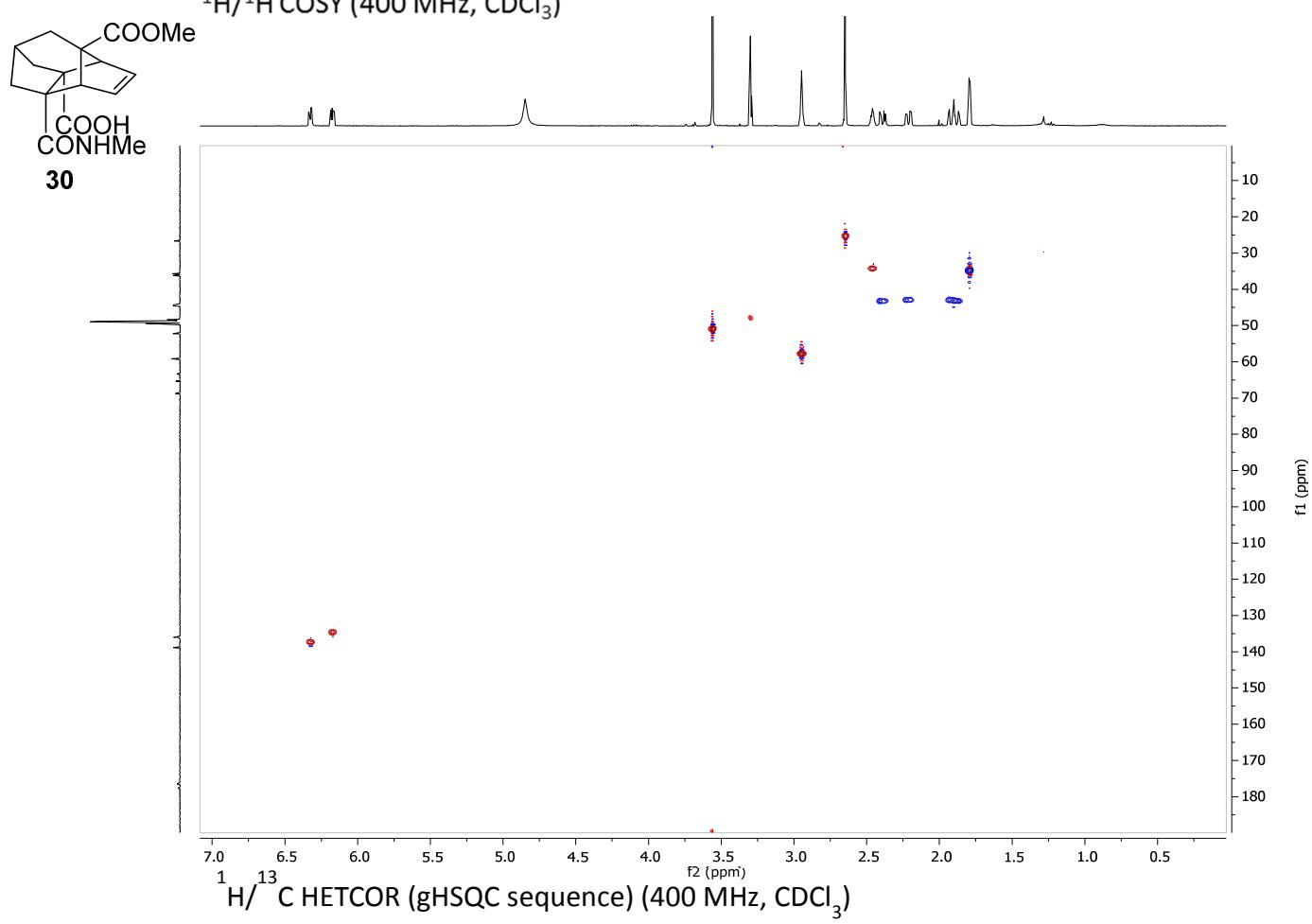
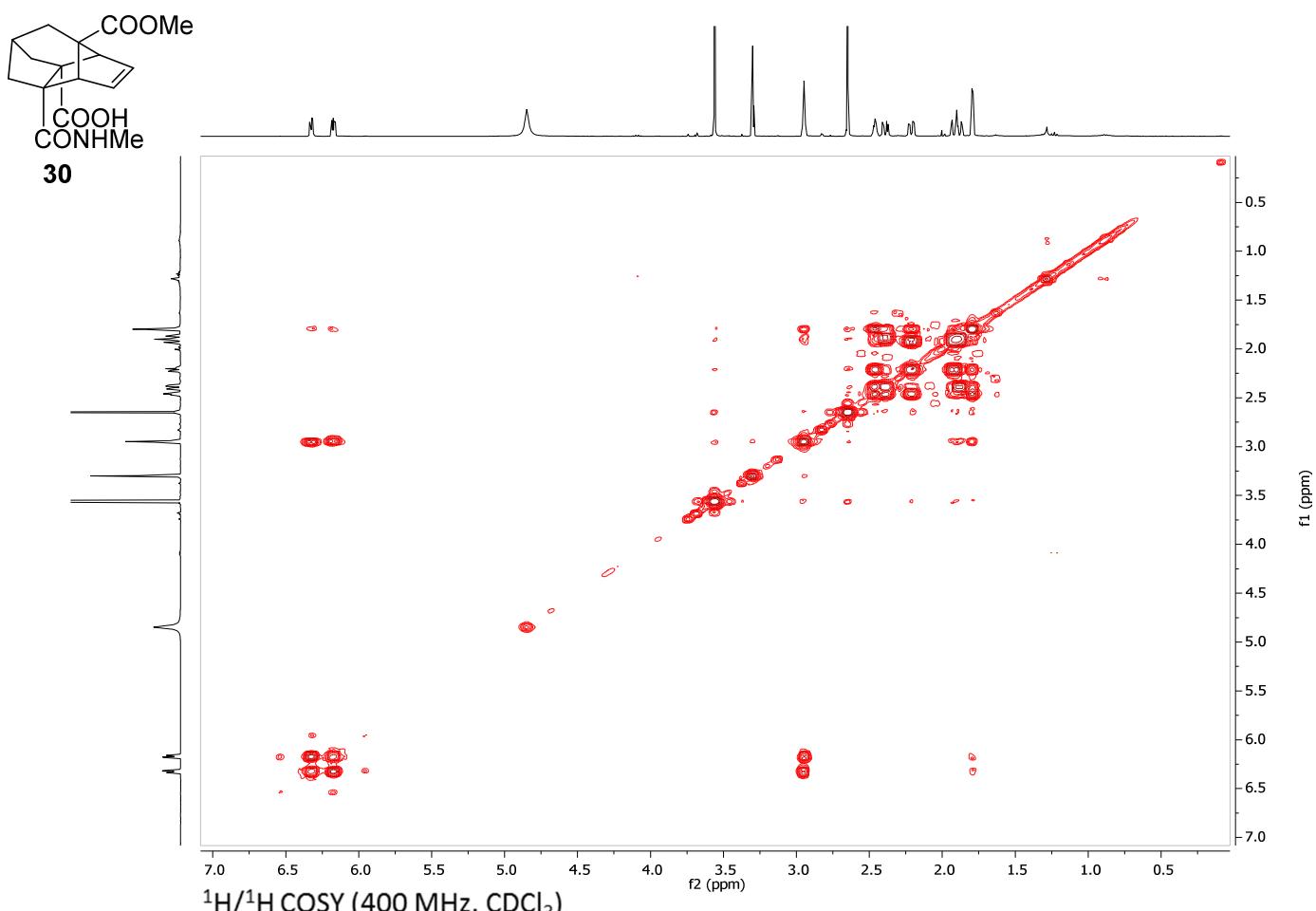
NMR and IR spectra of compound **30**



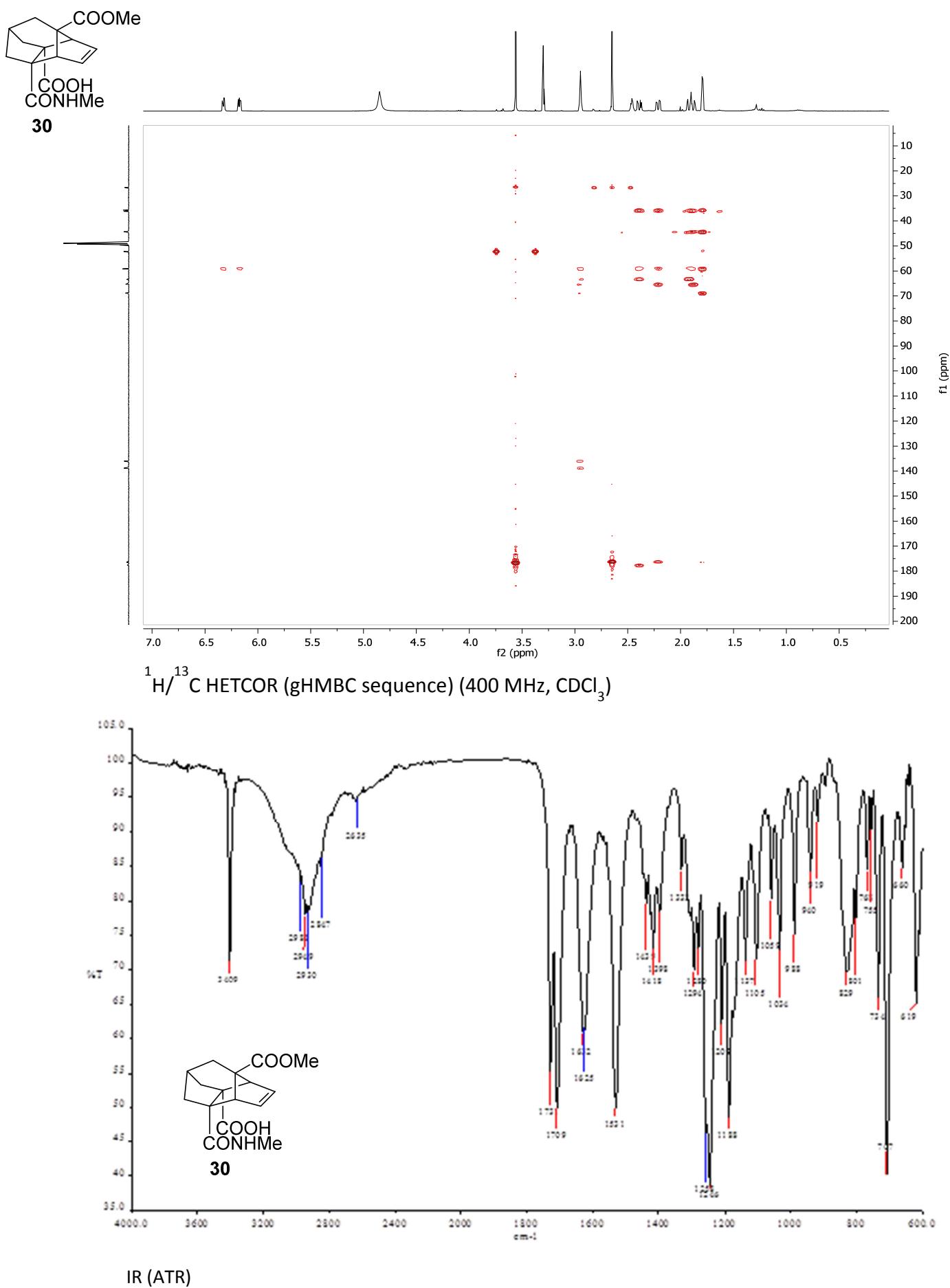
NMR and IR spectra of compound 30



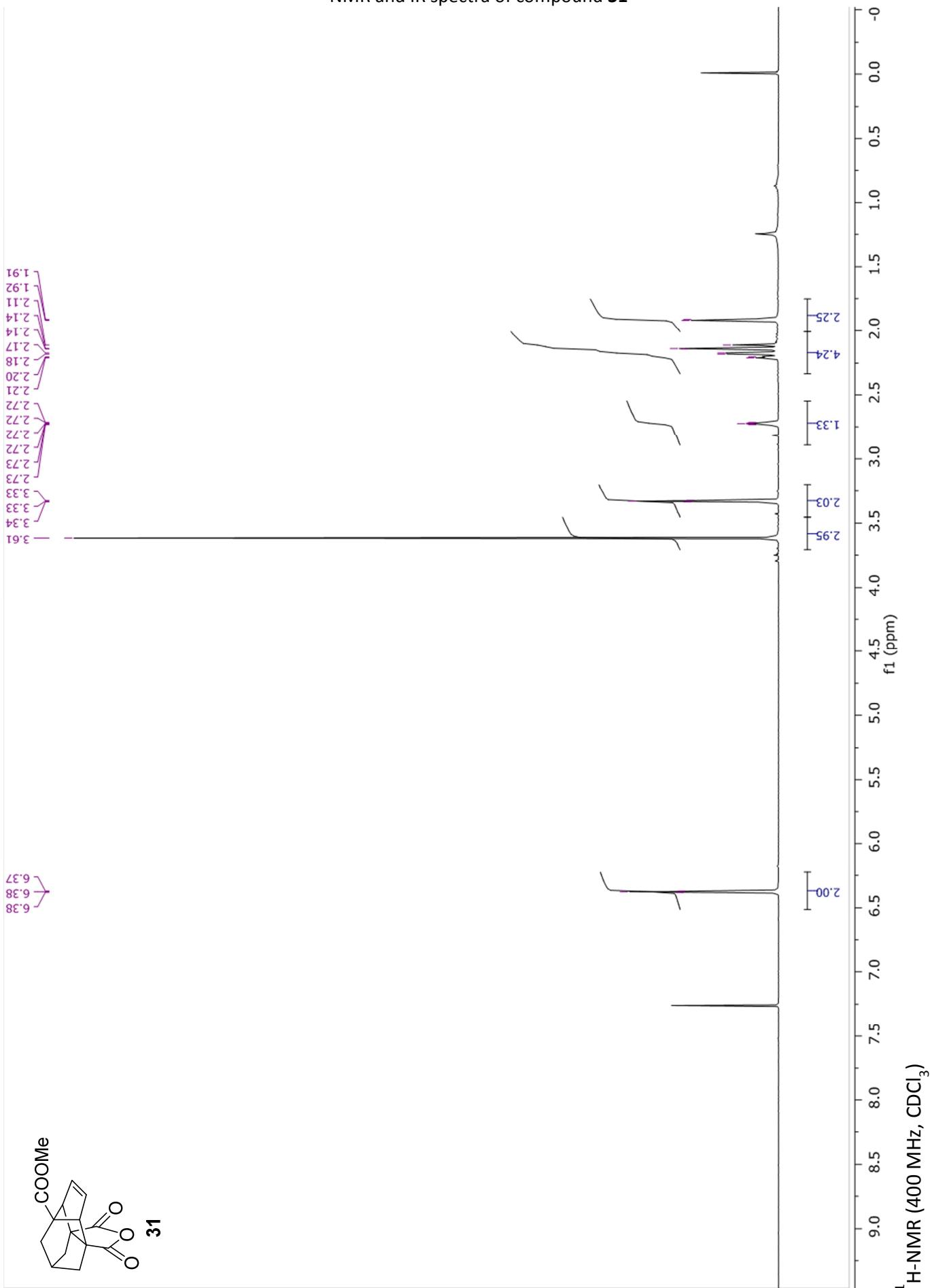
NMR and IR spectra of compound **30**



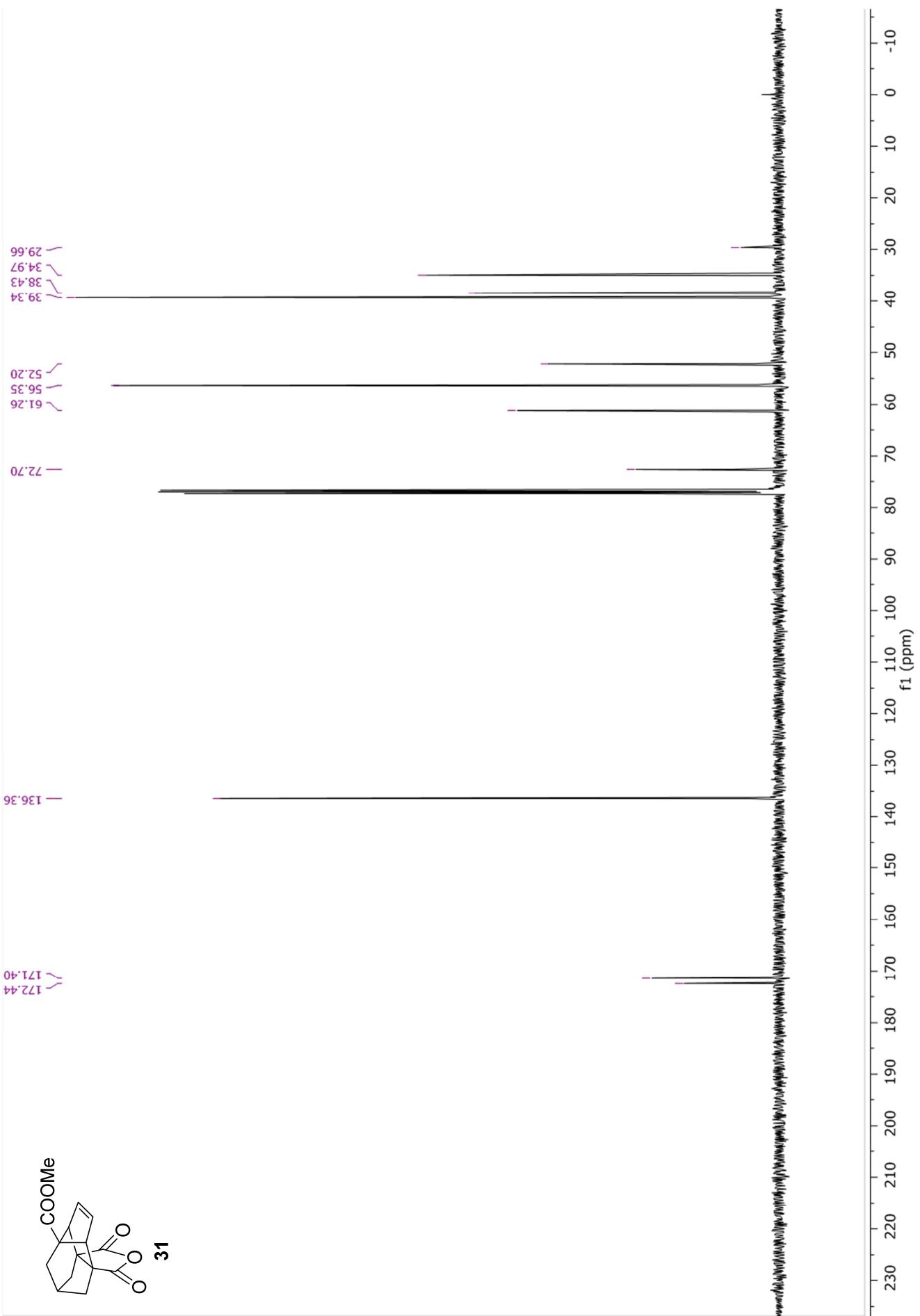
NMR and IR spectra of compound **30**



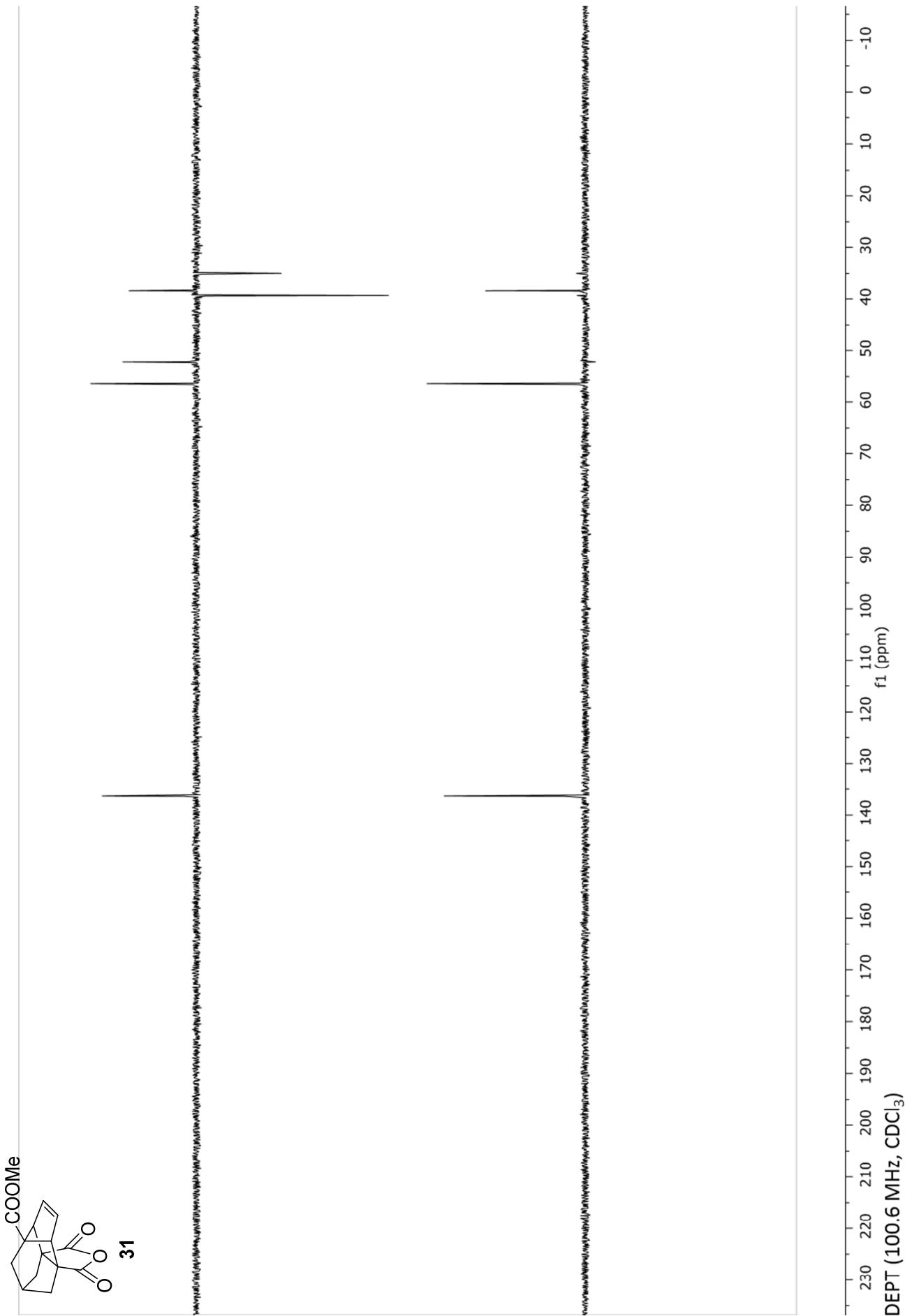
NMR and IR spectra of compound **31**



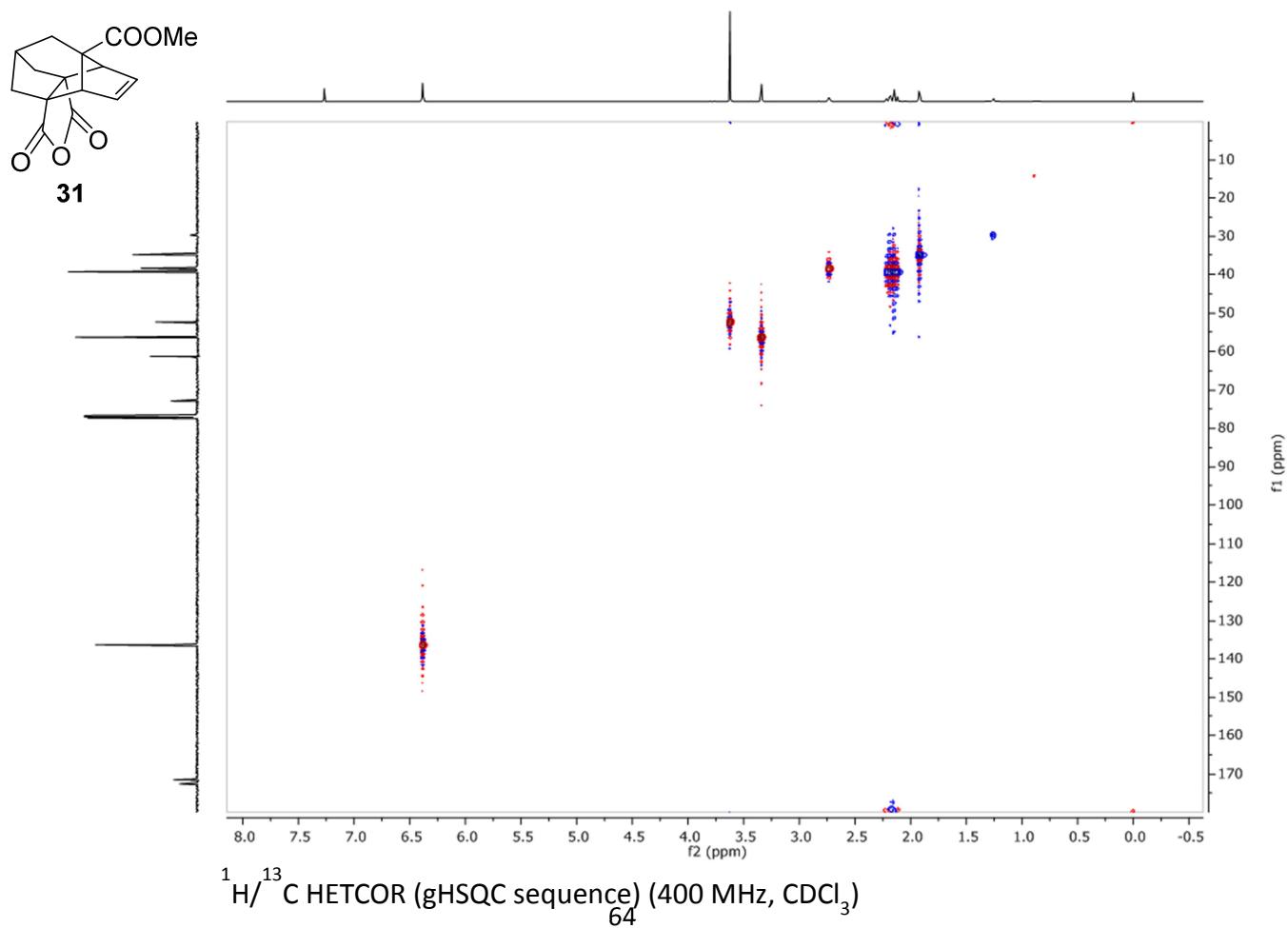
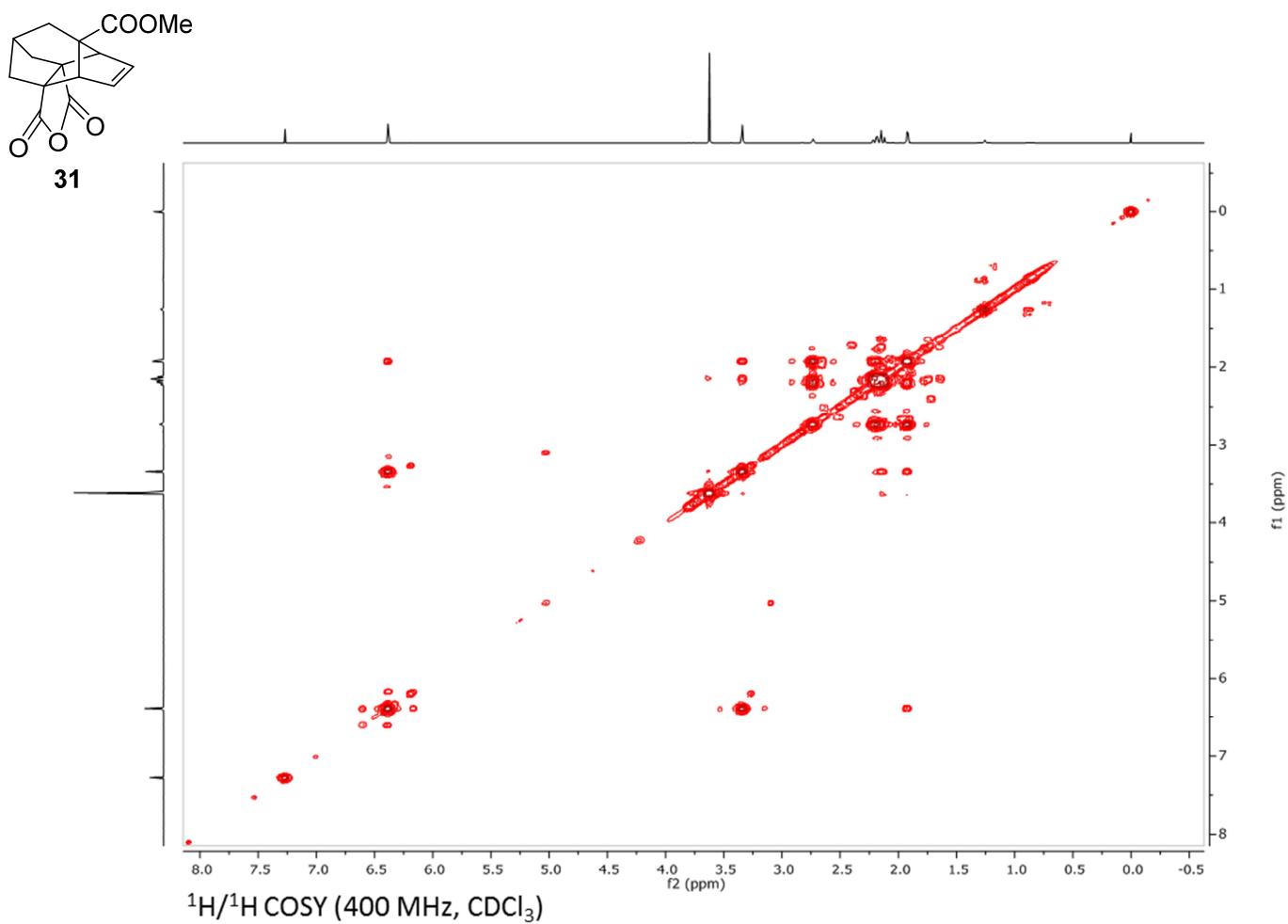
NMR and IR spectra of compound **31**



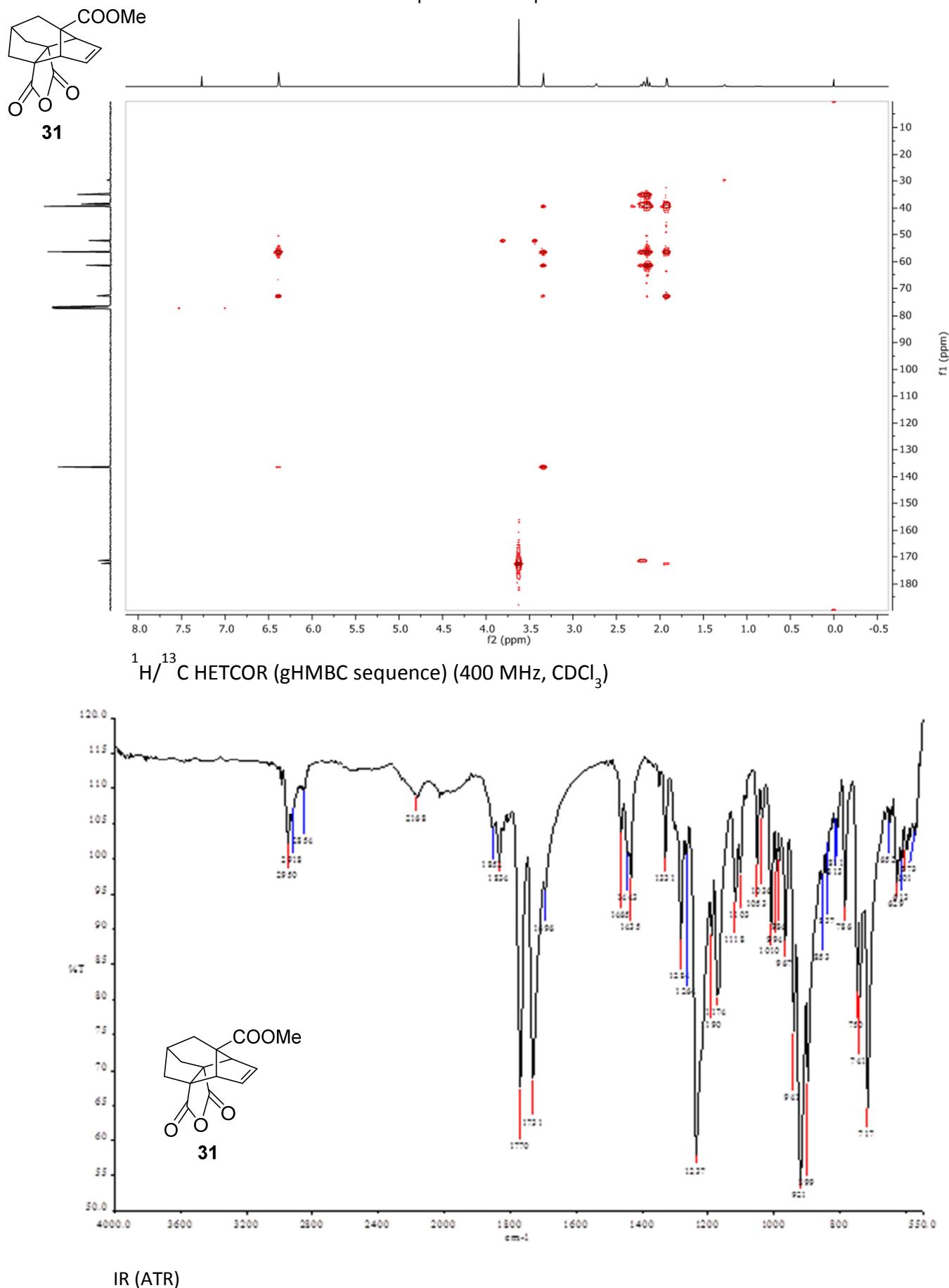
NMR and IR spectra of compound 31



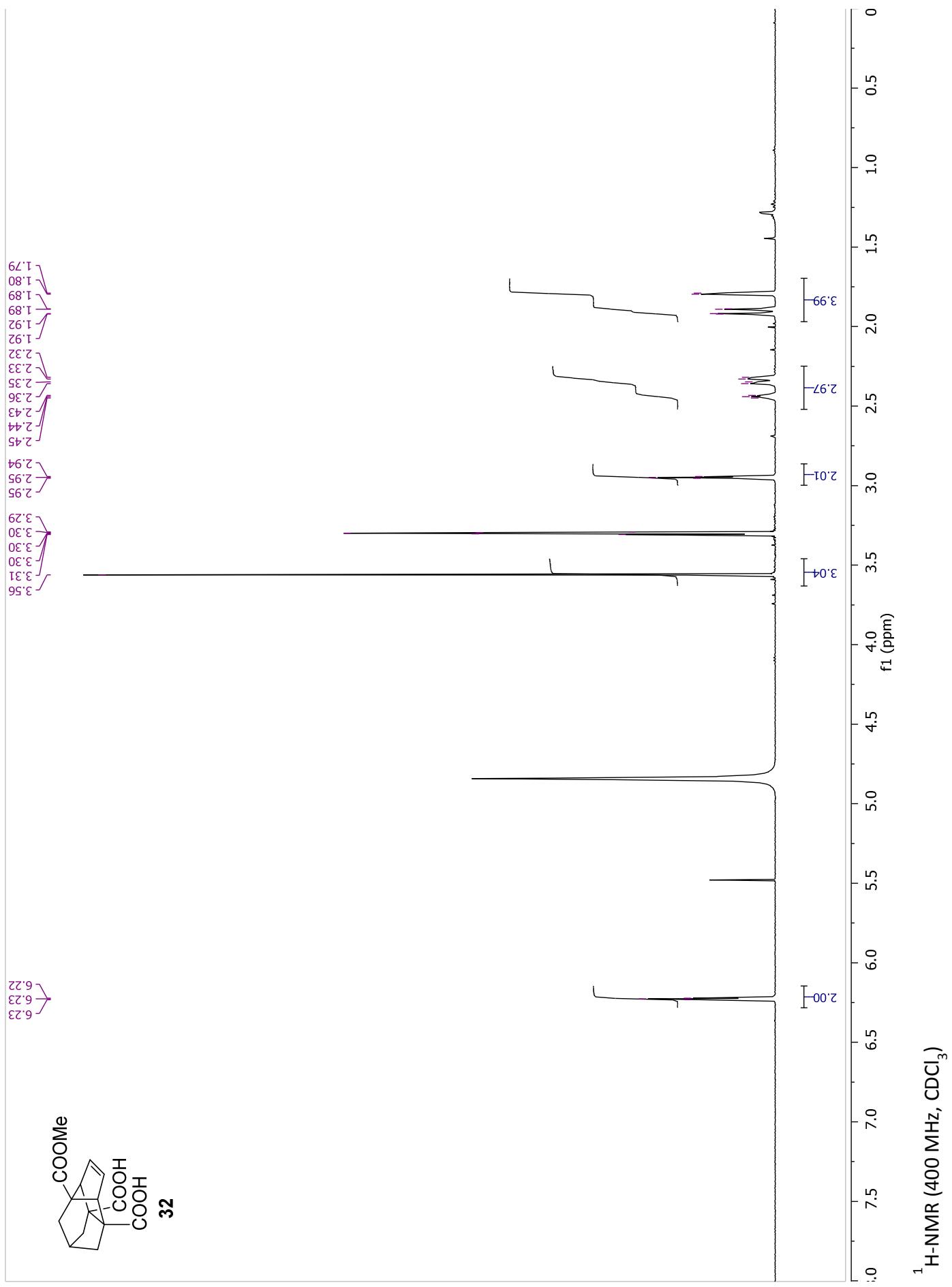
NMR and IR spectra of compound **31**



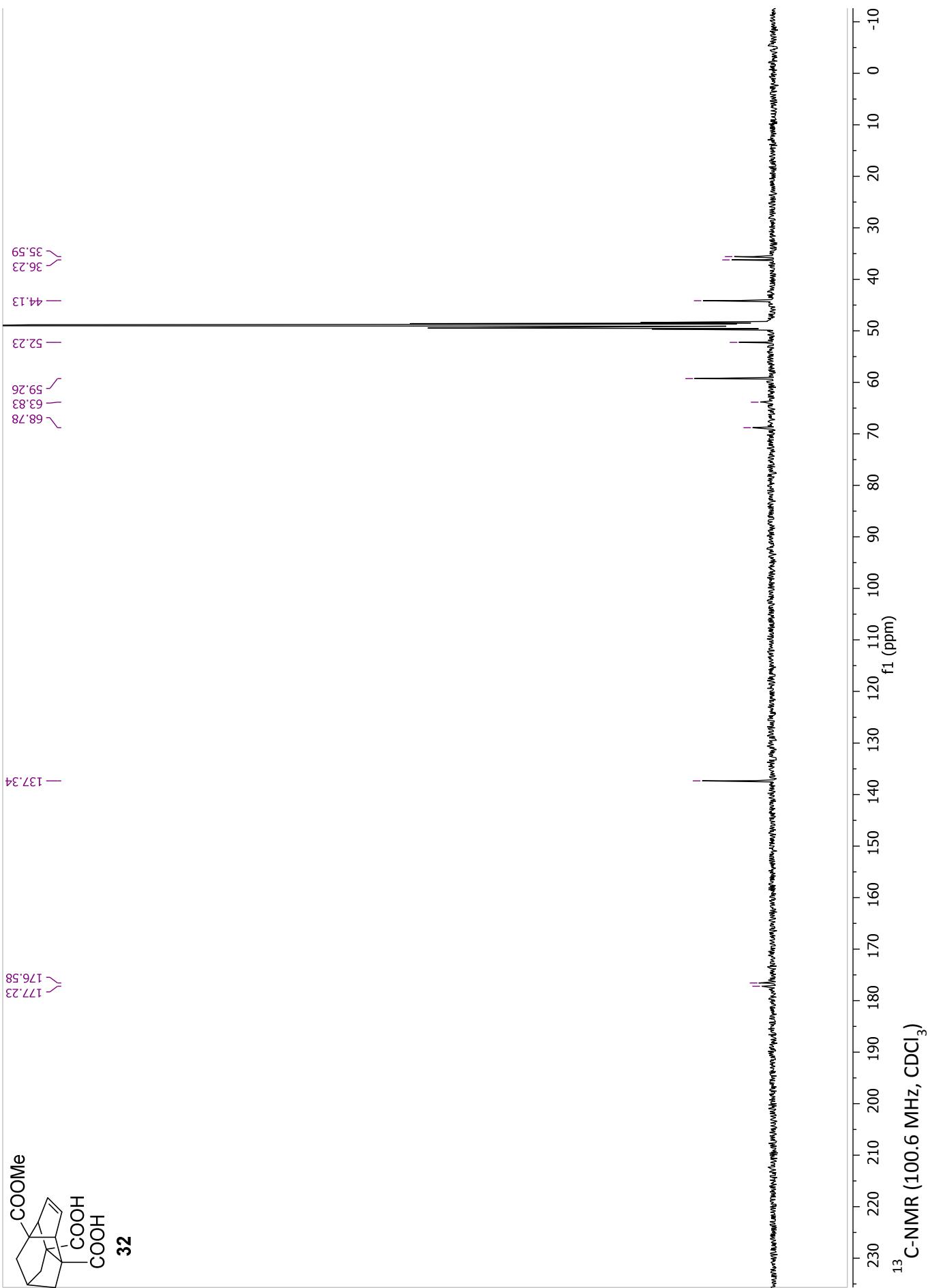
NMR and IR spectra of compound **31**



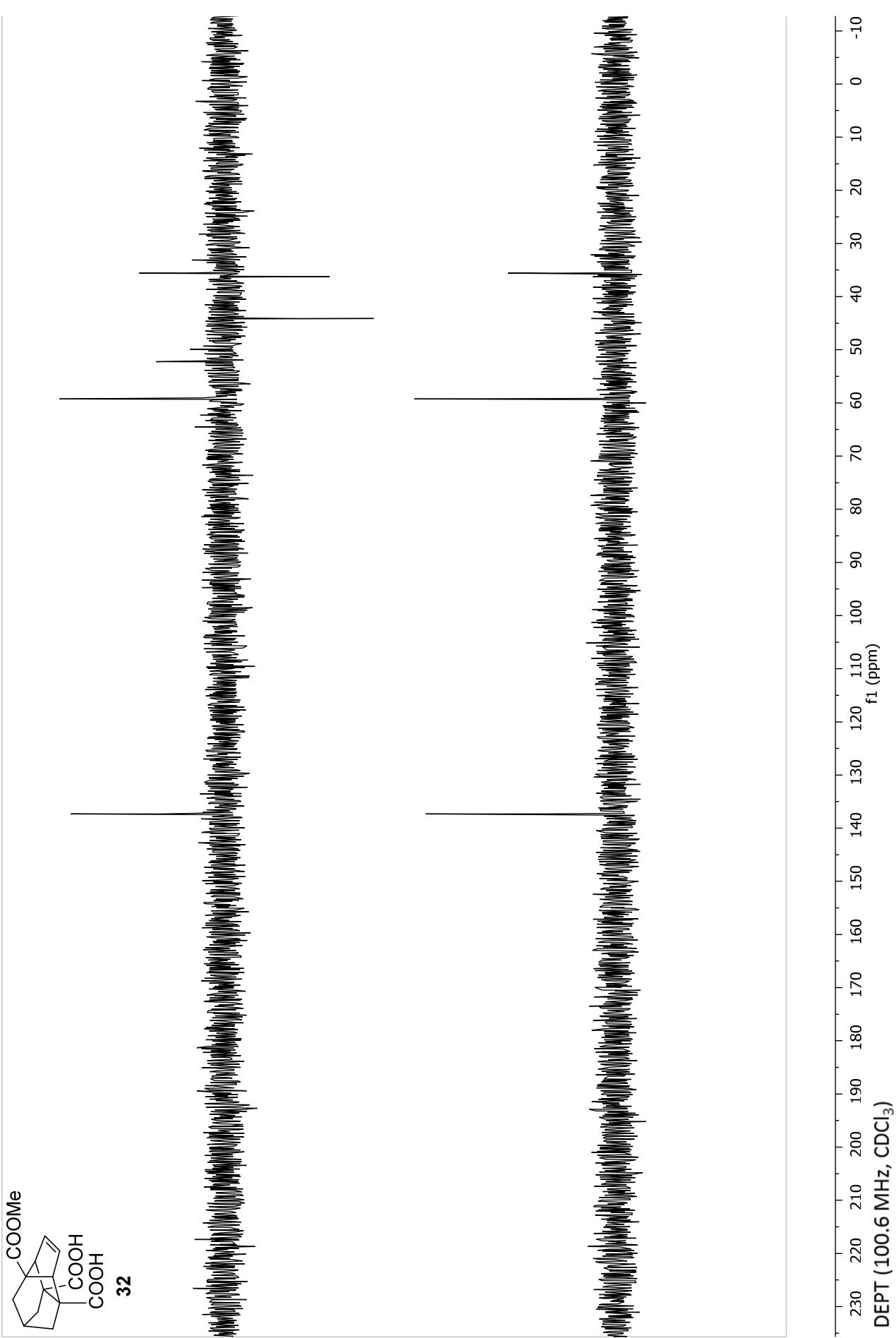
NMR and IR spectra of compound **32**



NMR and IR spectra of compound **32**



NMR and IR spectra of compound 32



## NMR and IR spectra of compound **32**

