

Supplementary Information

4-Benzyloxylonchocarpin and Muracatanes A-C from *Ranunculus muricatus* L. and Their Biological Effects

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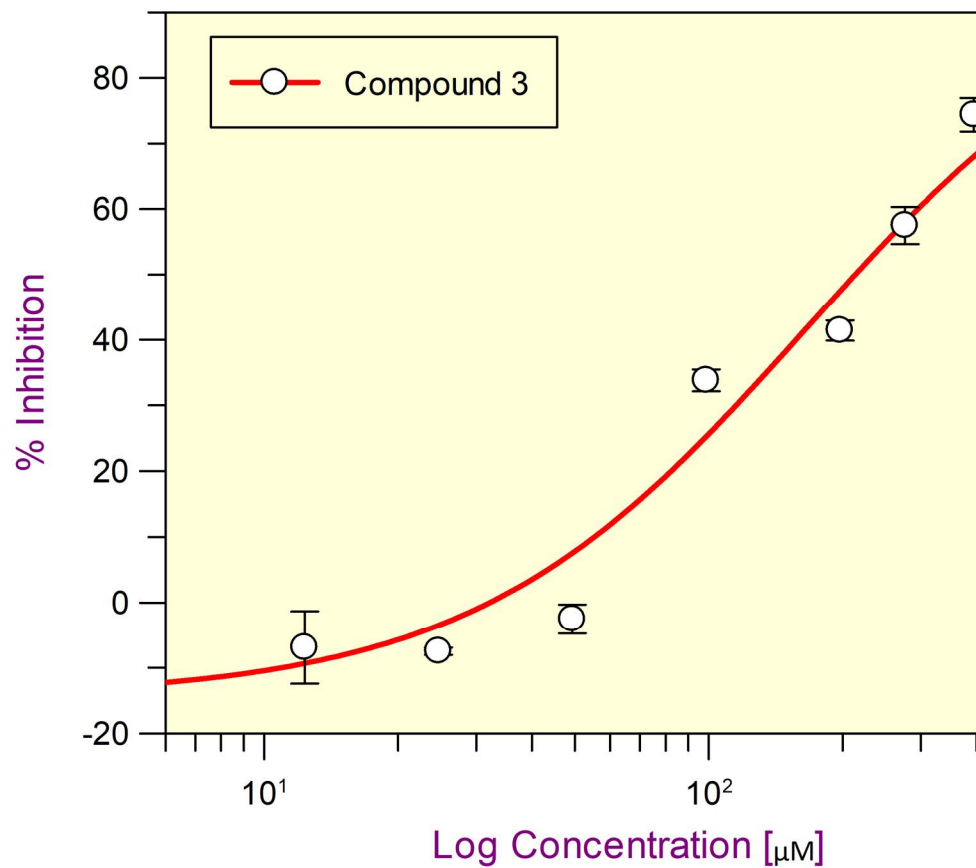
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Page S29: Figure S27. HMBC spectrum of muracatane C (**4**) (400 MHz, CDCl_3).

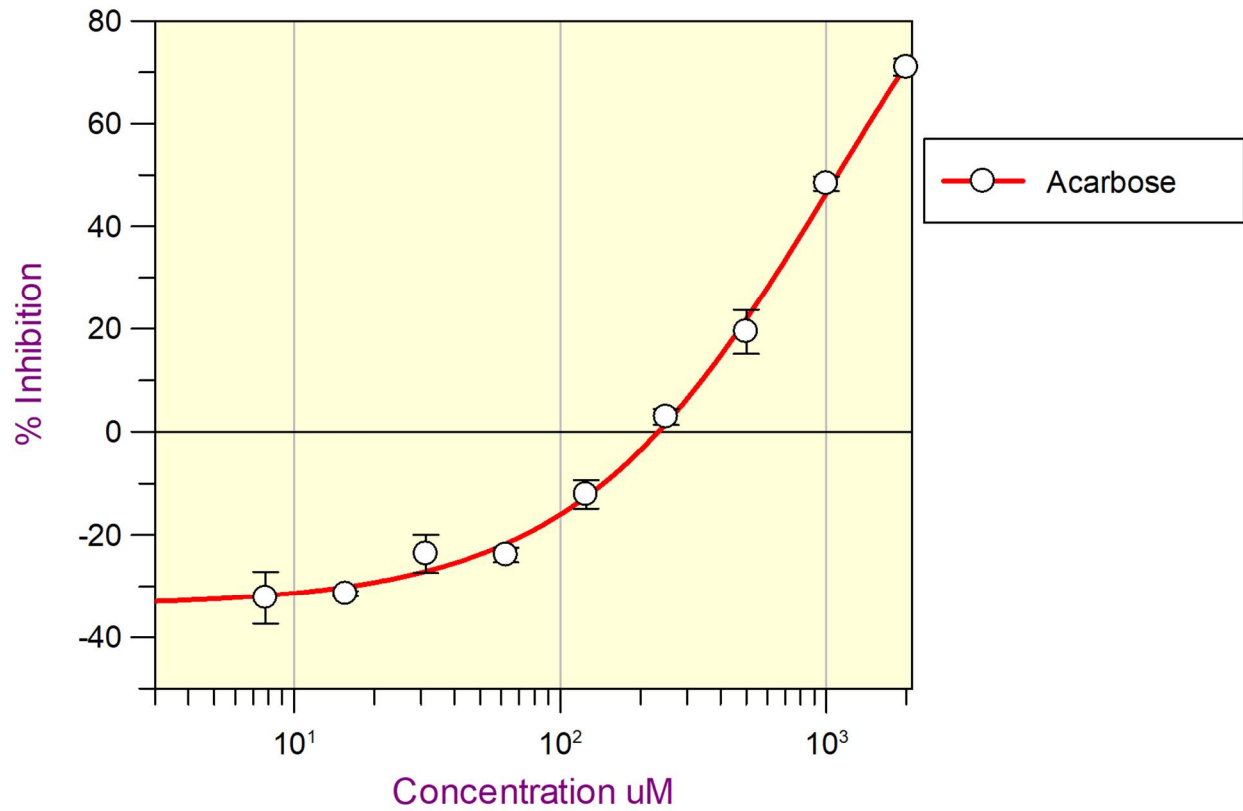
Page S30: Figure S28. HRESIMS spectrum of muracatane C (**4**).

Page S31: Figure S29. ^1H NMR spectrum of 4-methoxylonchocarpin (**5**)



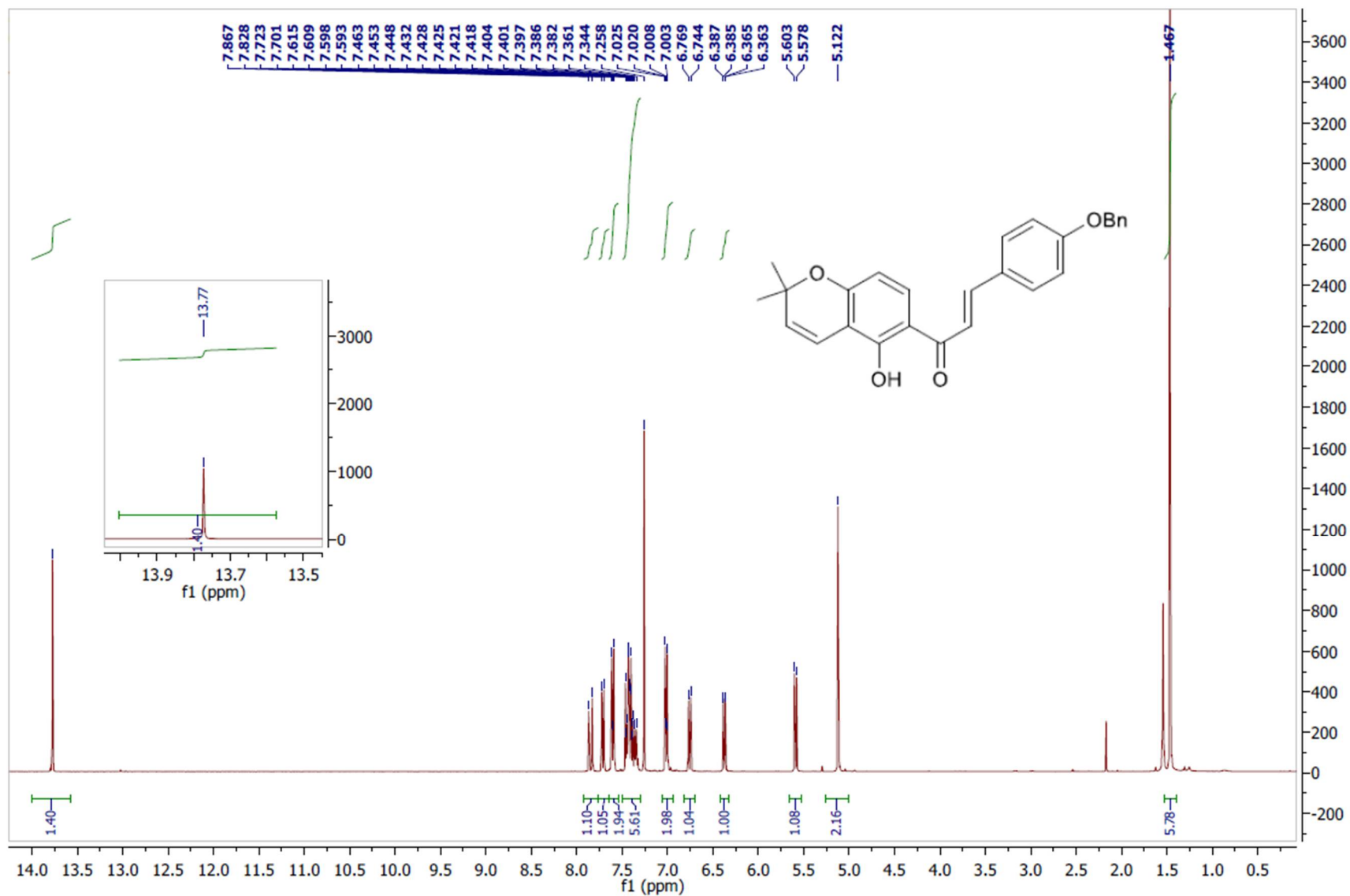
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Background	-14.5747	12.0302

Page S3: Figure S1. The α -glucosidase IC₅₀ curve of muracatane B (3)

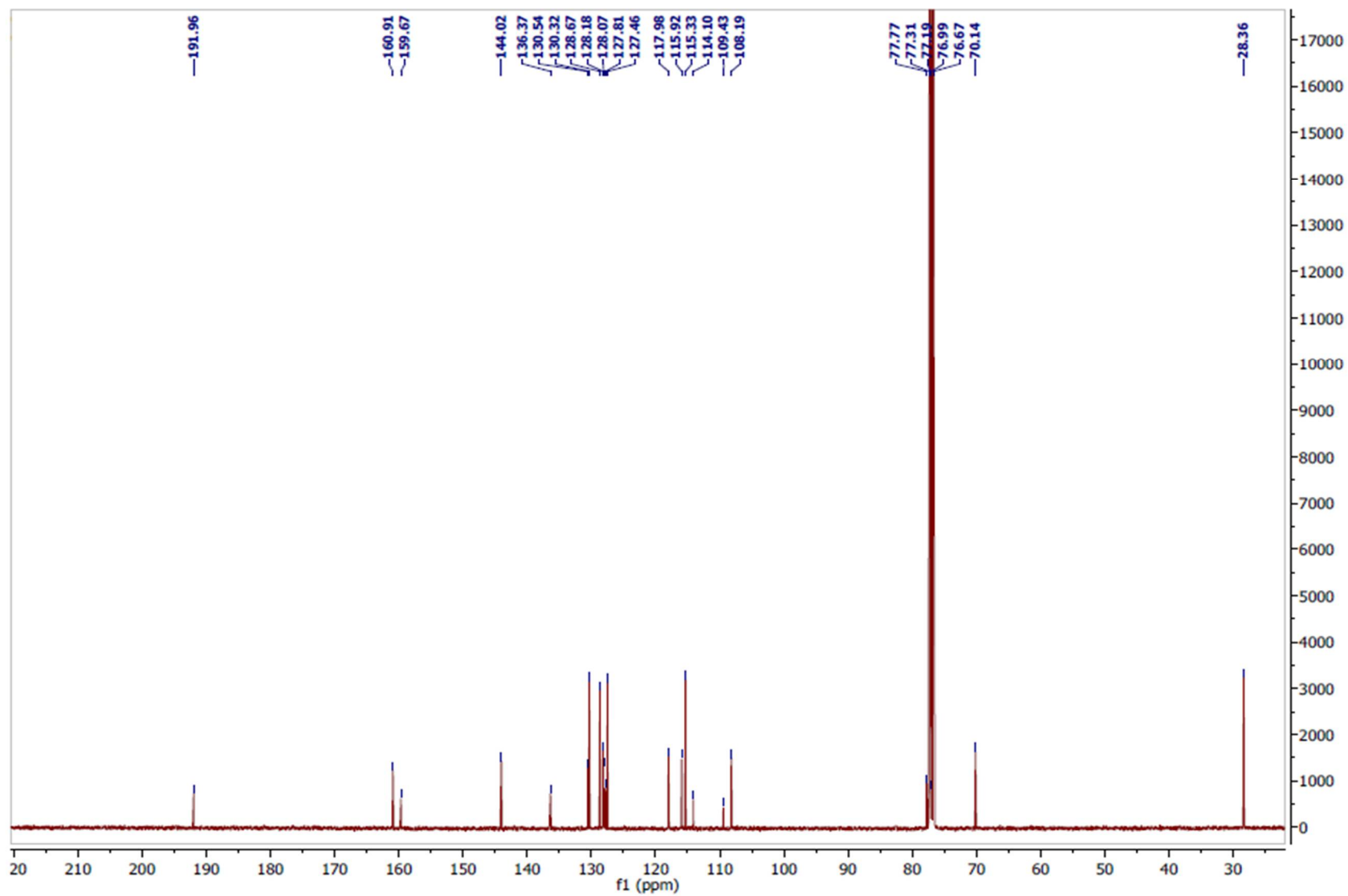


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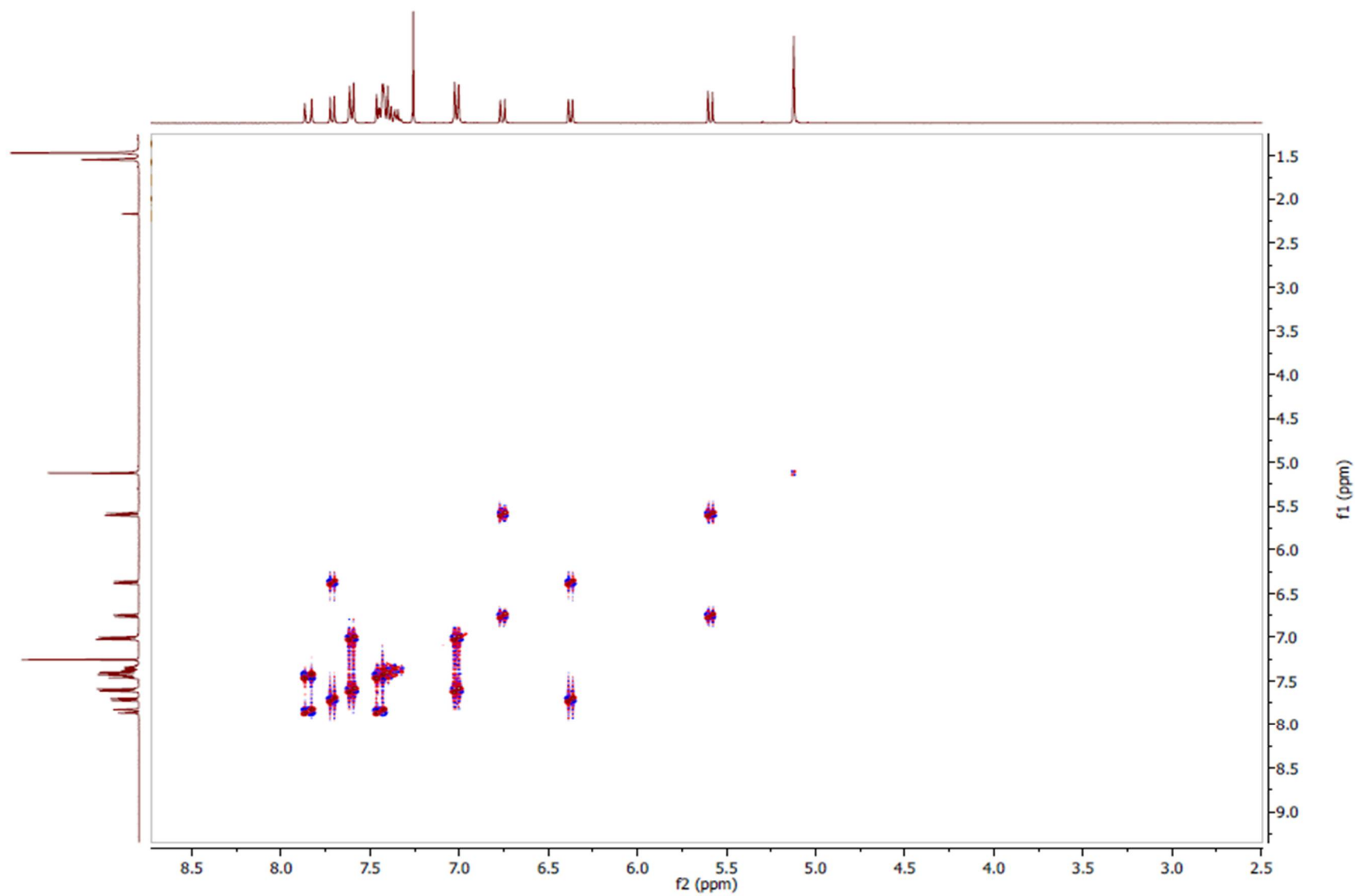
Page S4: Figure S2. The α -glucosidase IC₅₀ curve of acarbose



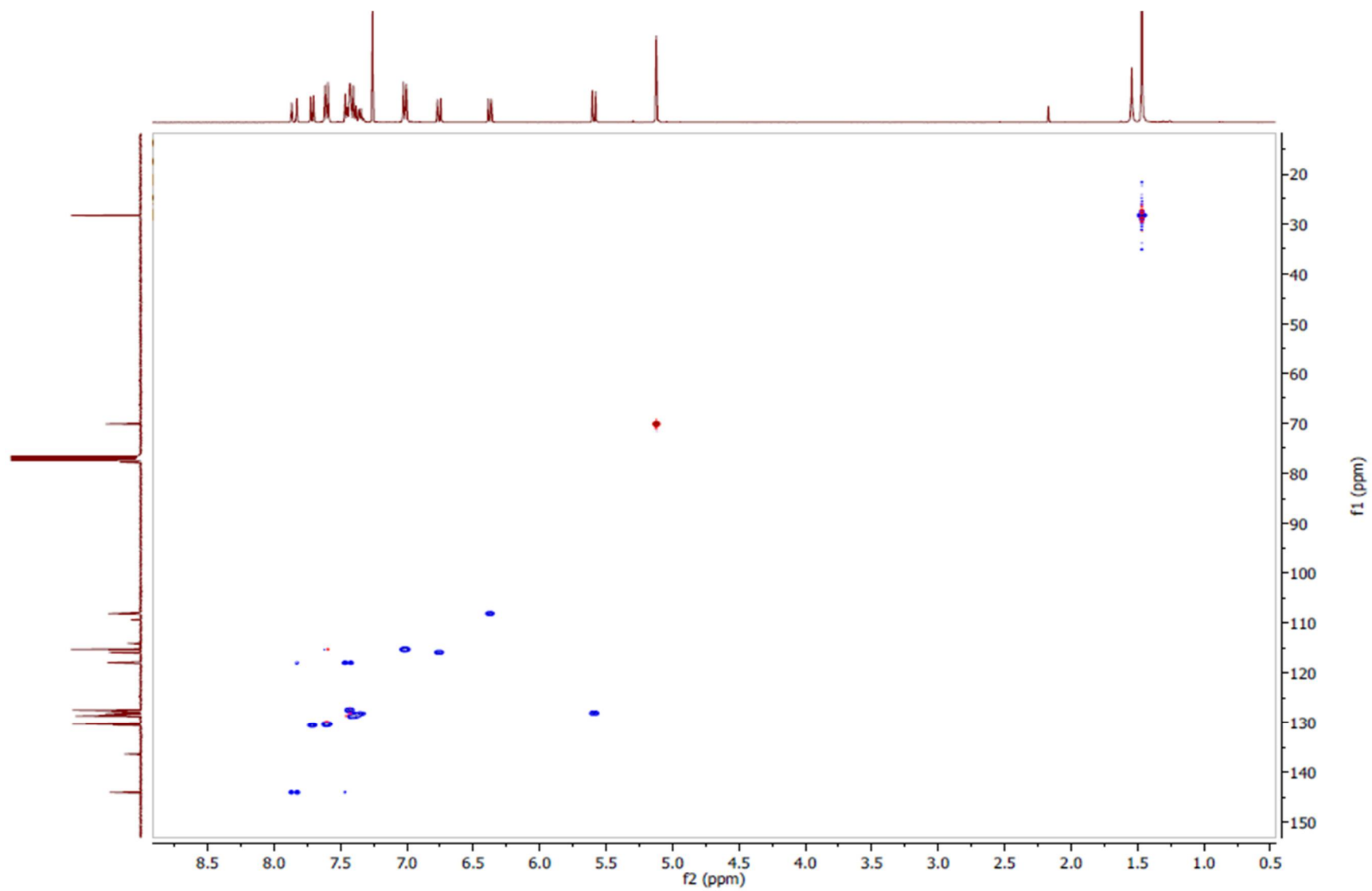
Page S5: Figure S3. ¹H NMR spectrum of 4-benzyloxylonchocarpin (1) (400 MHz, CDCl₃).



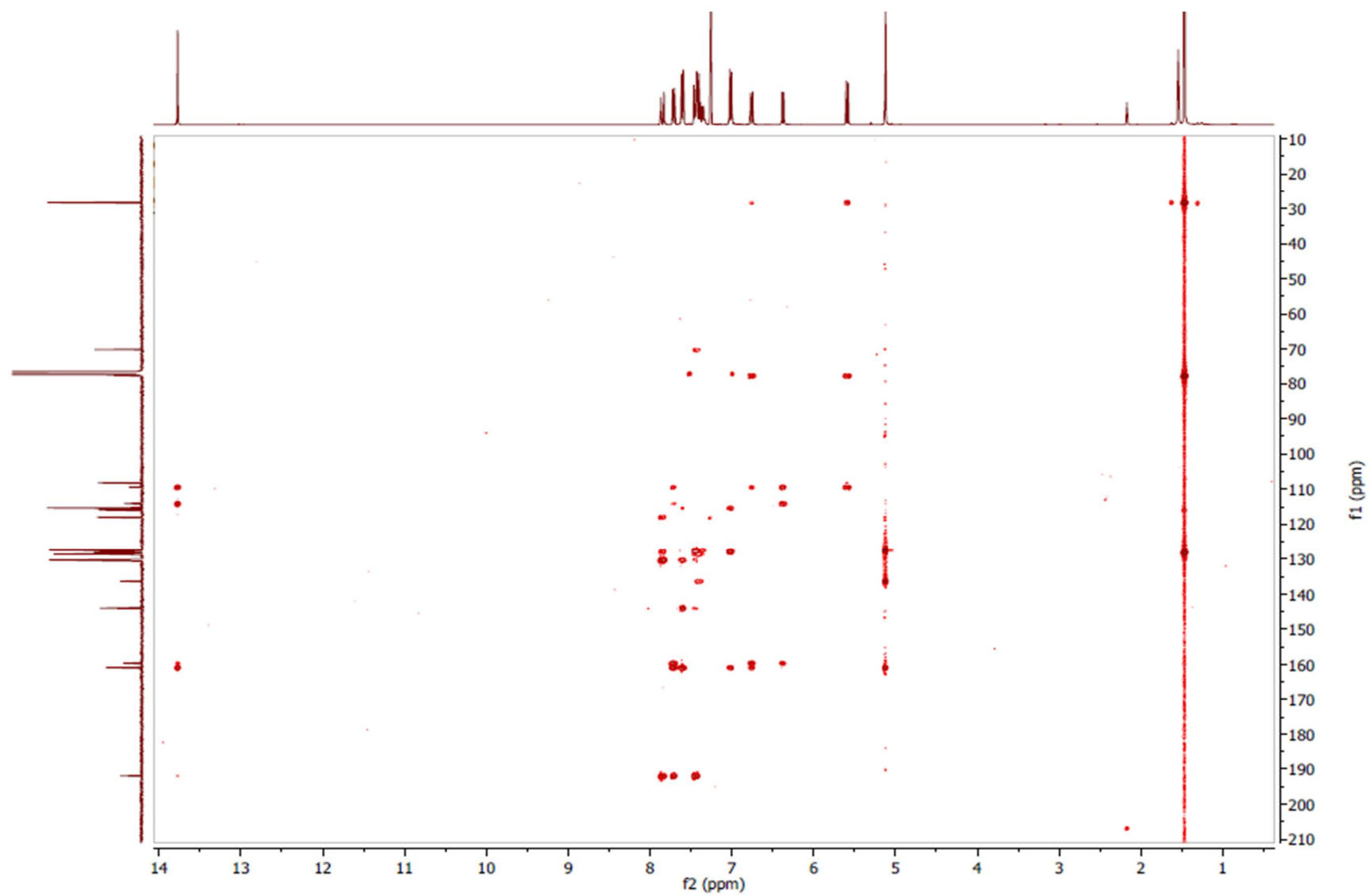
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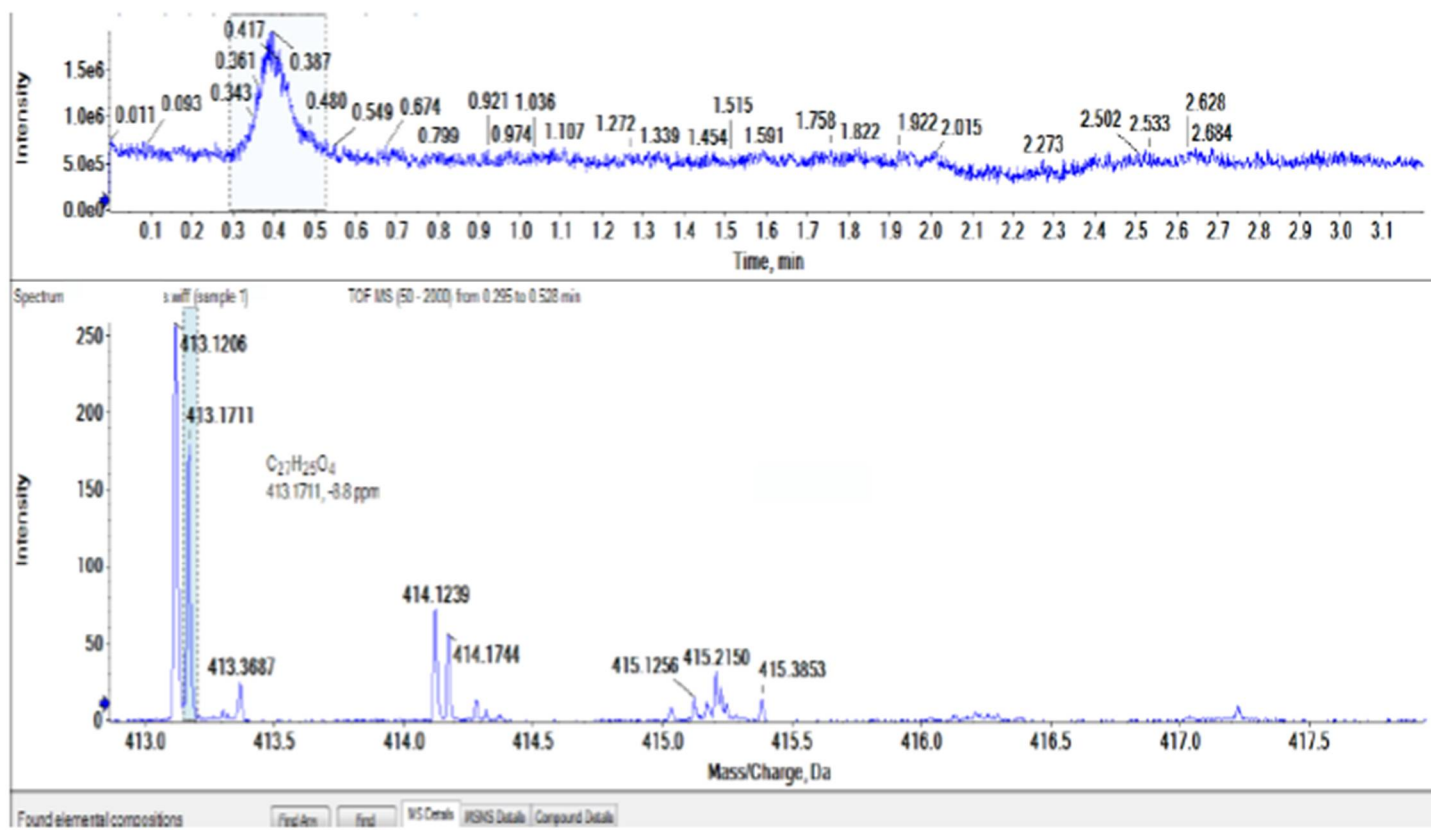
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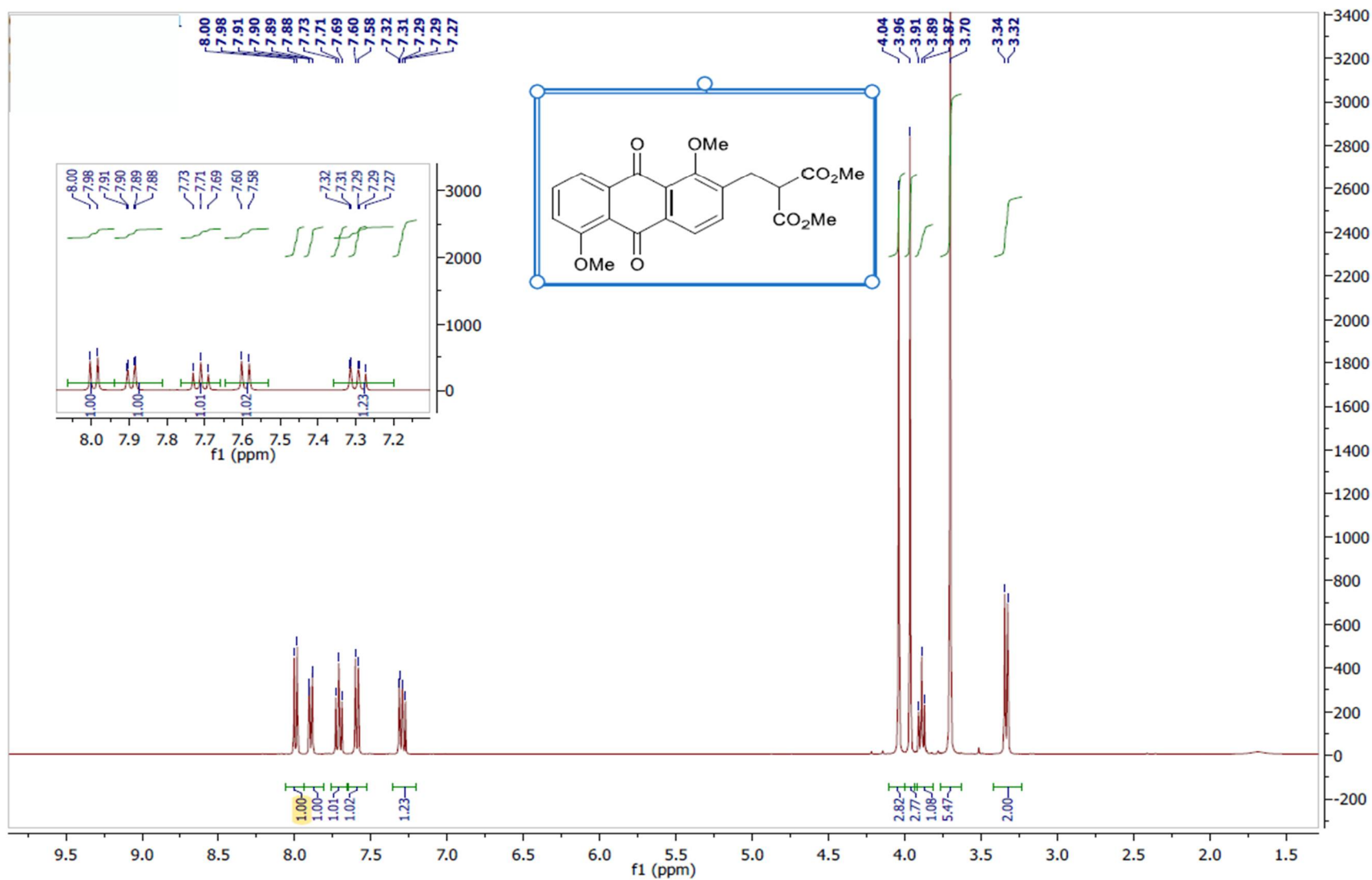
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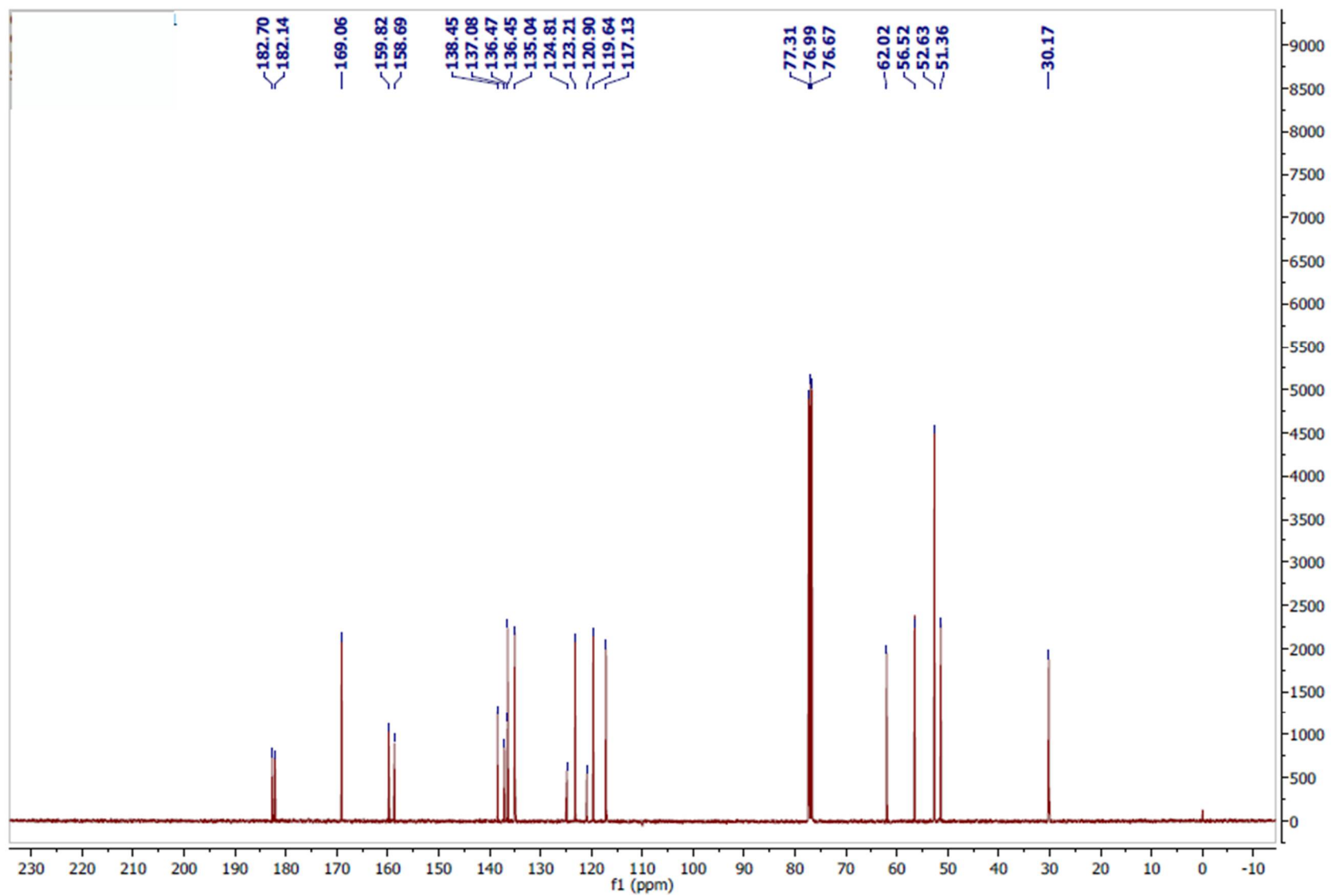
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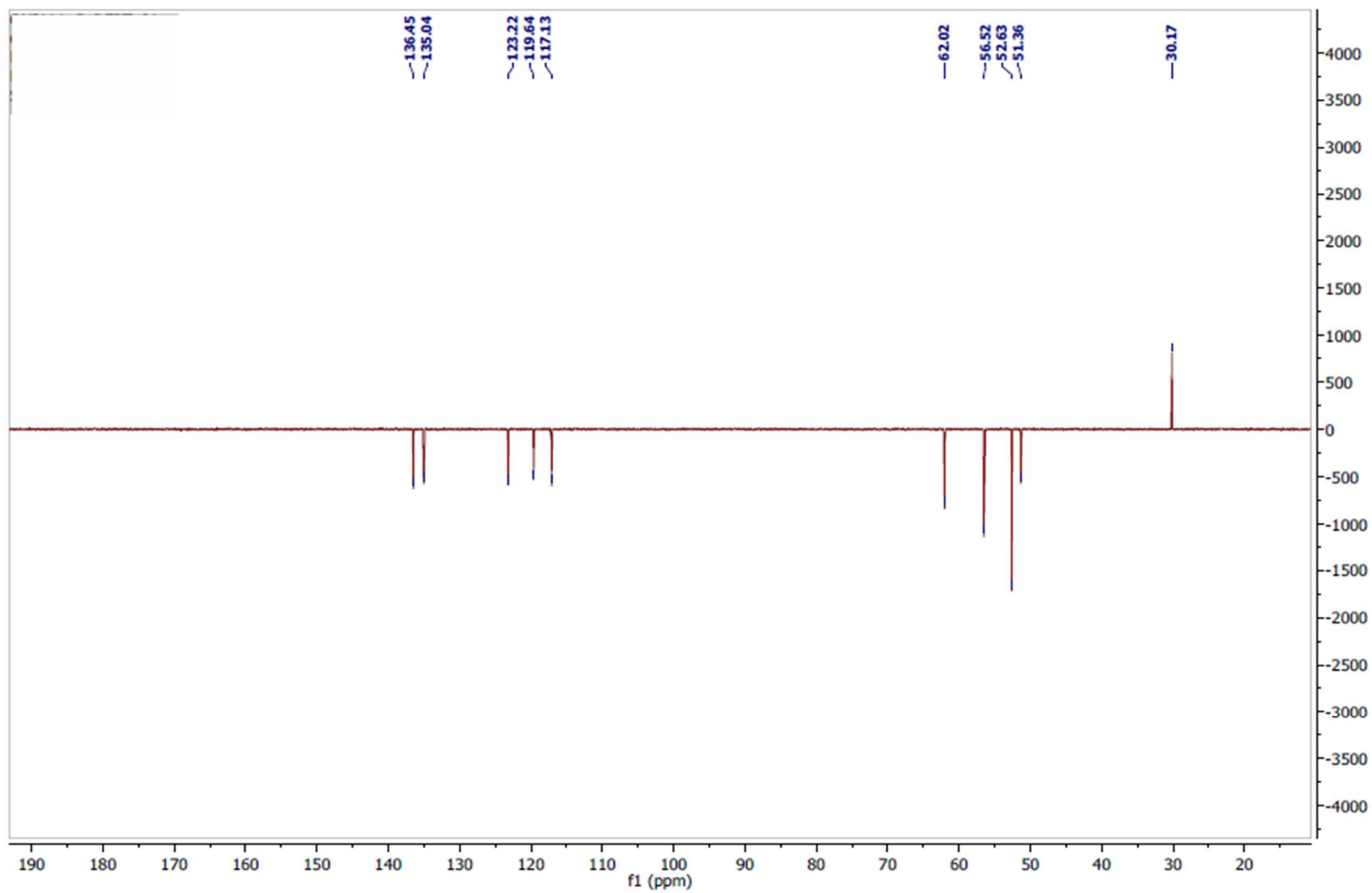
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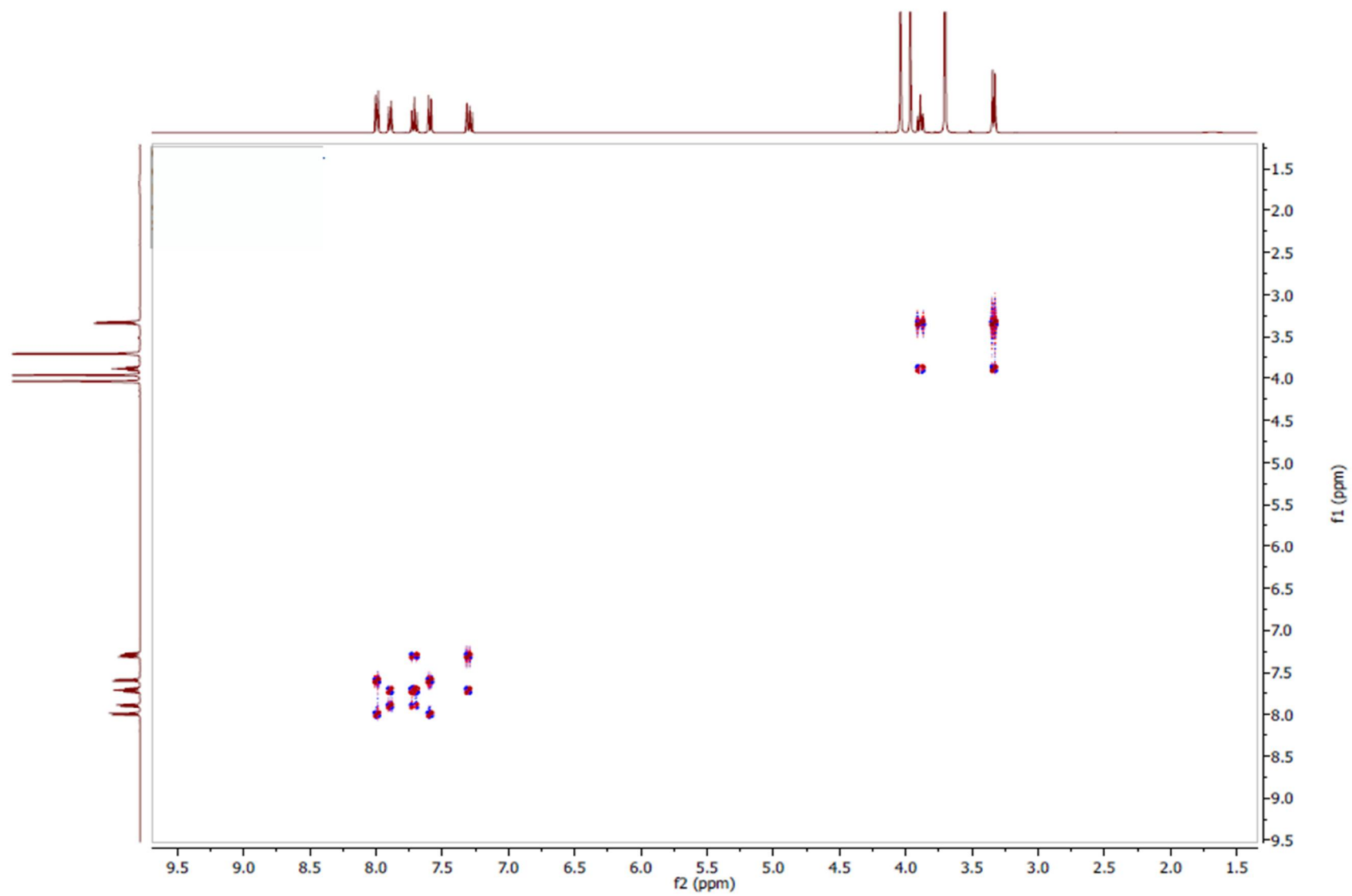
Page S11: Figure S9. ^1H NMR spectrum of muracatane A (**2**) (400 MHz, CDCl_3).



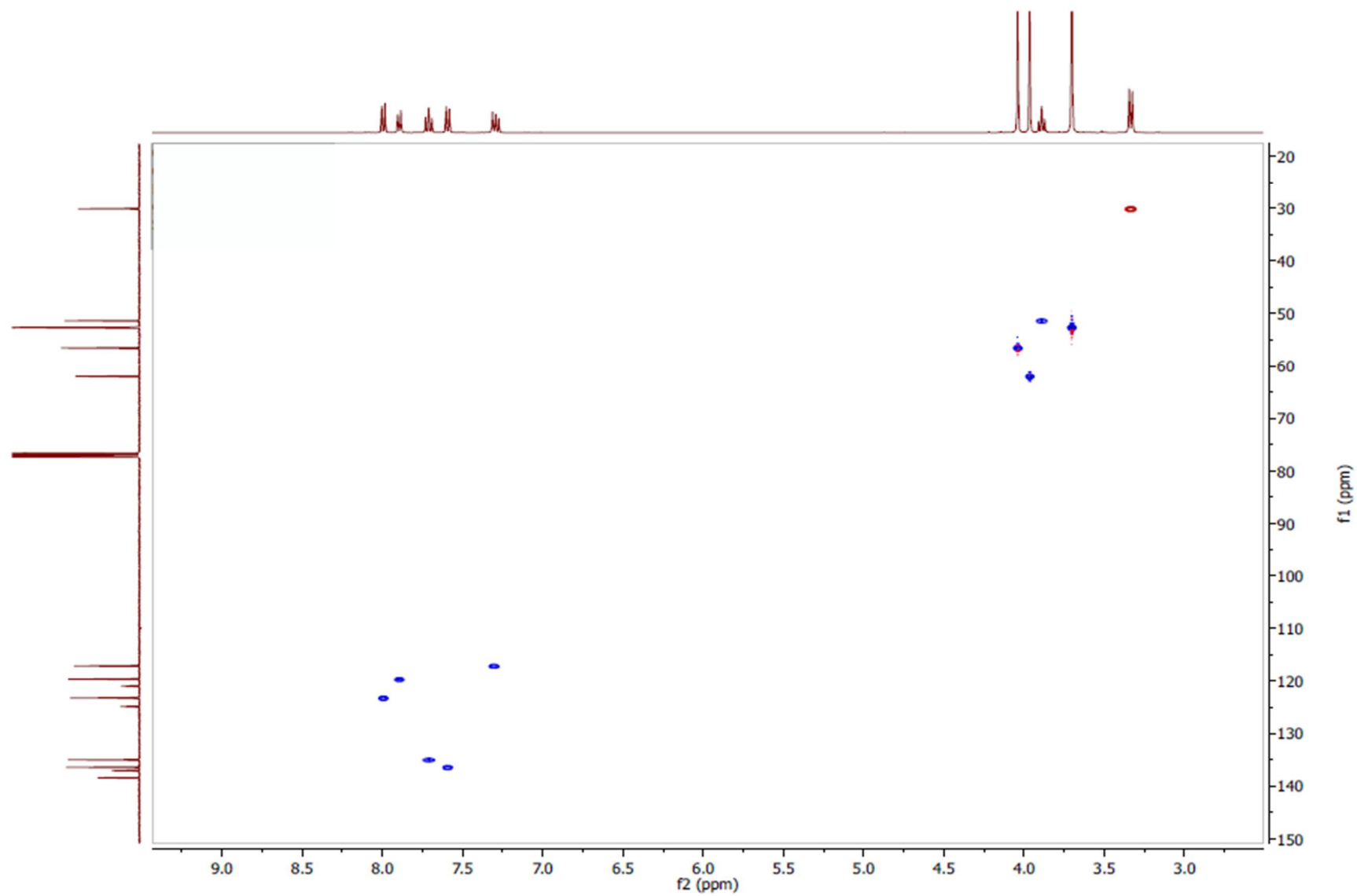
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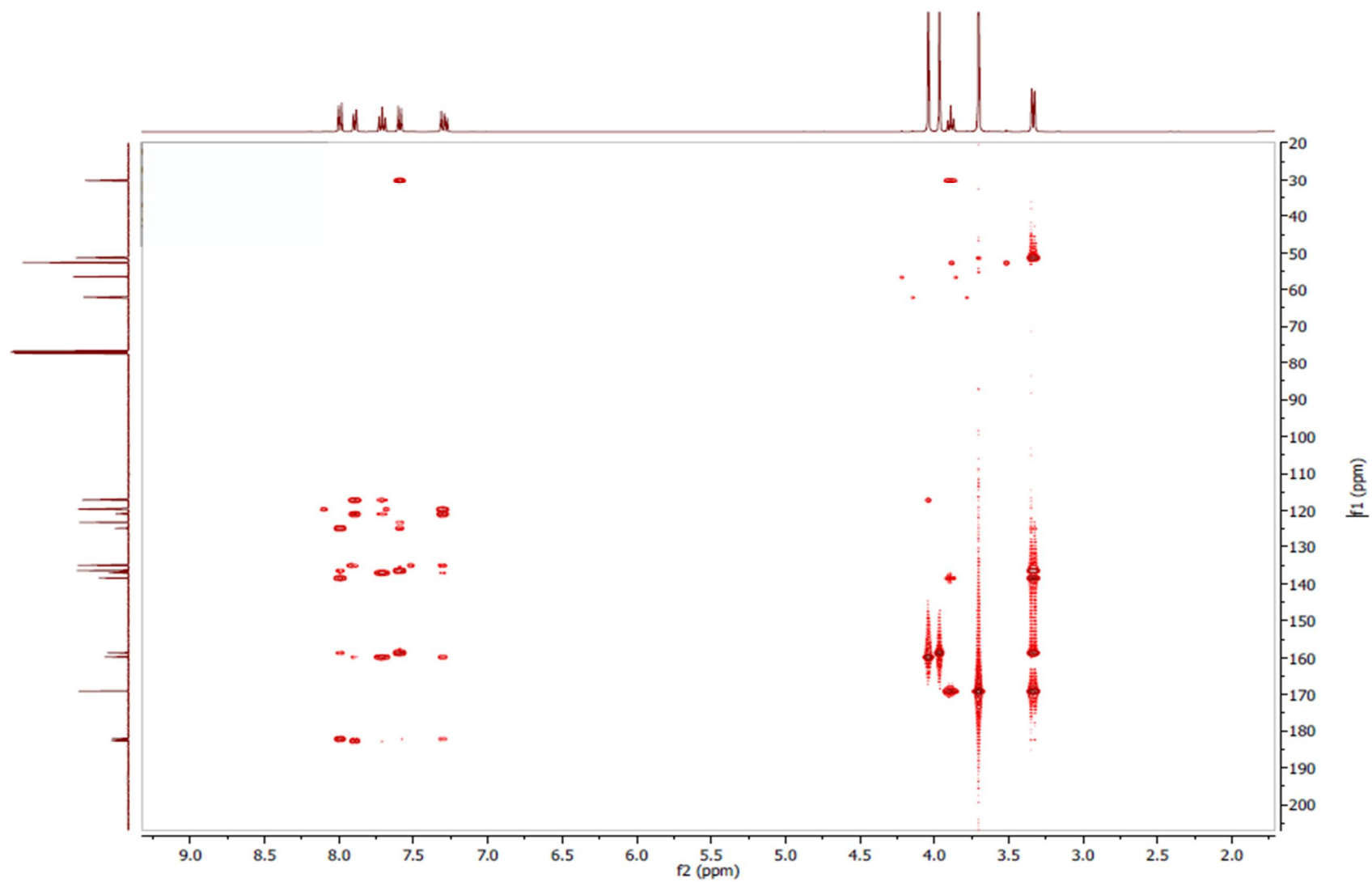
Page S13: Figure S11. DEPT spectrum of muracatane A (2) (400 MHz, CDCl₃).



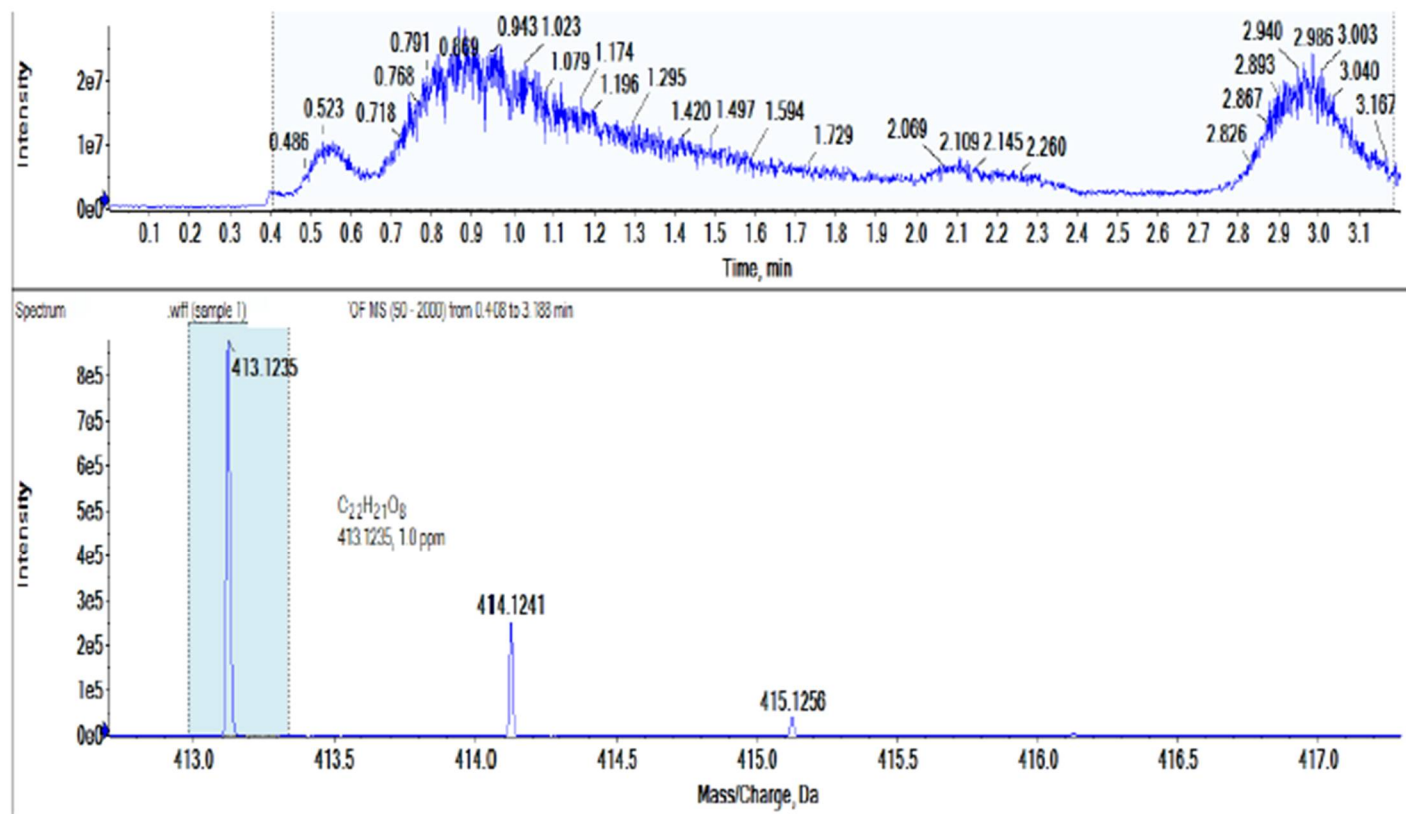
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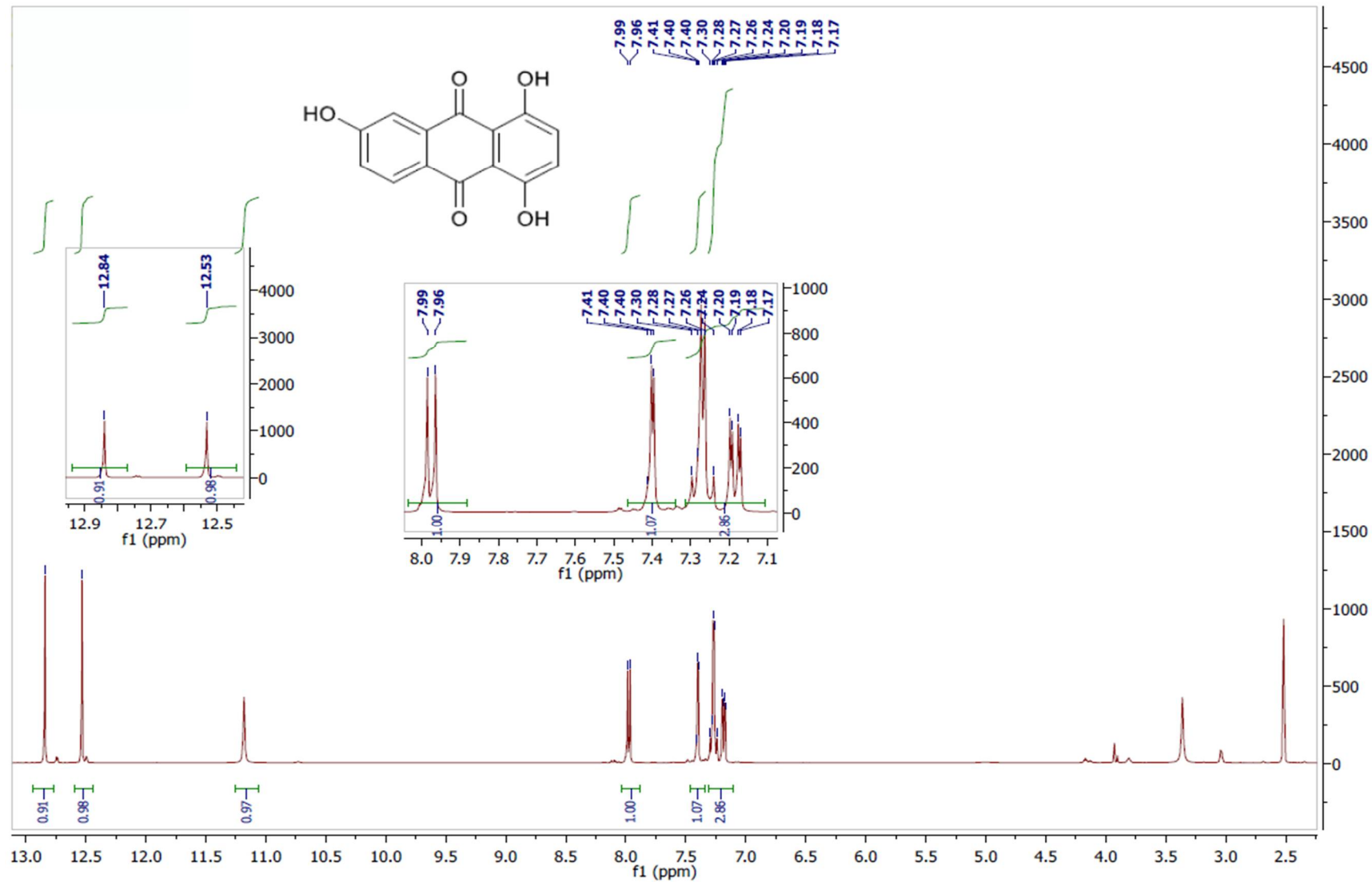
Page S15: Figure S13. HSQC spectrum of muracatane A (2) (400 MHz, CDCl₃).



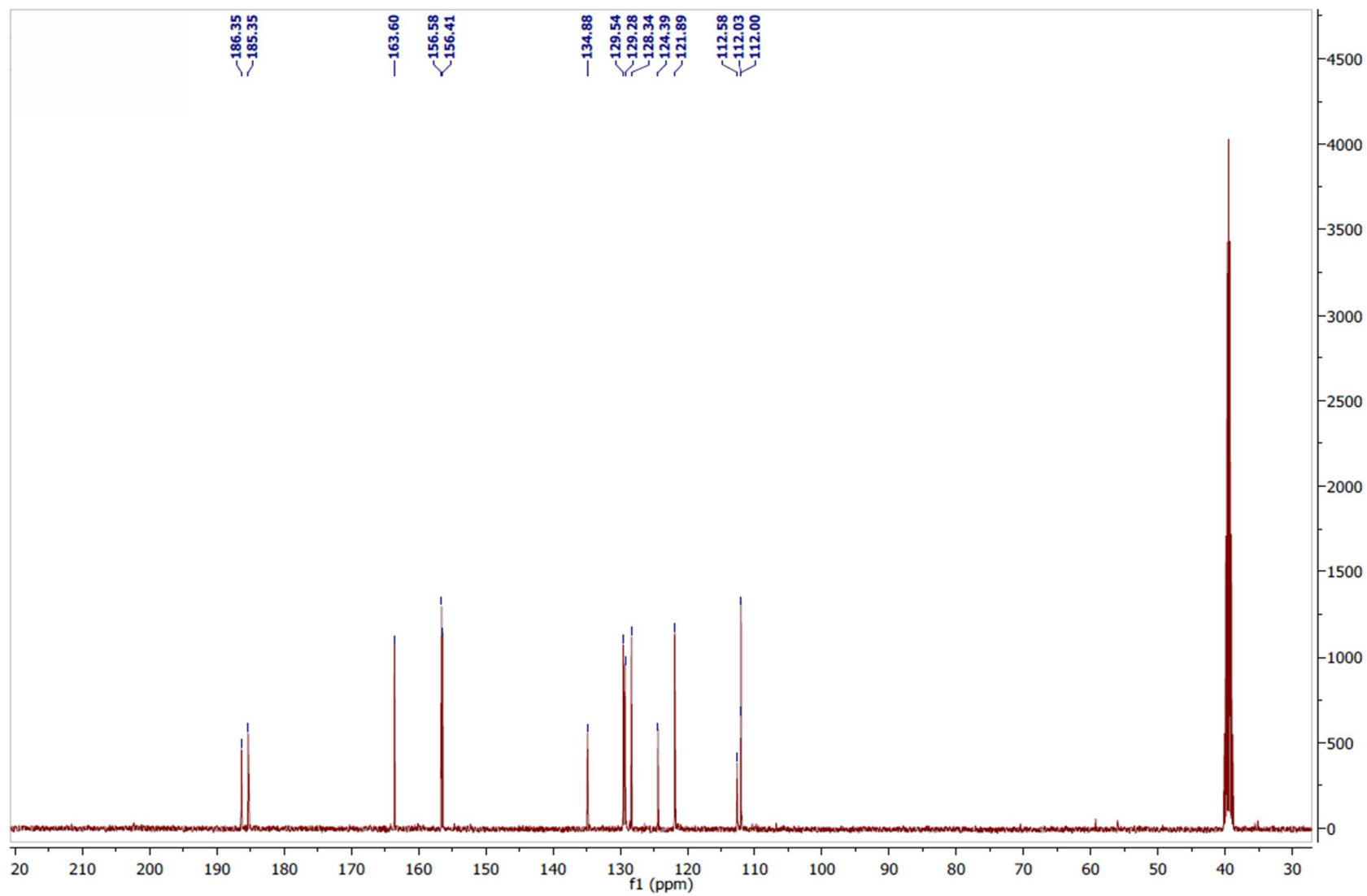
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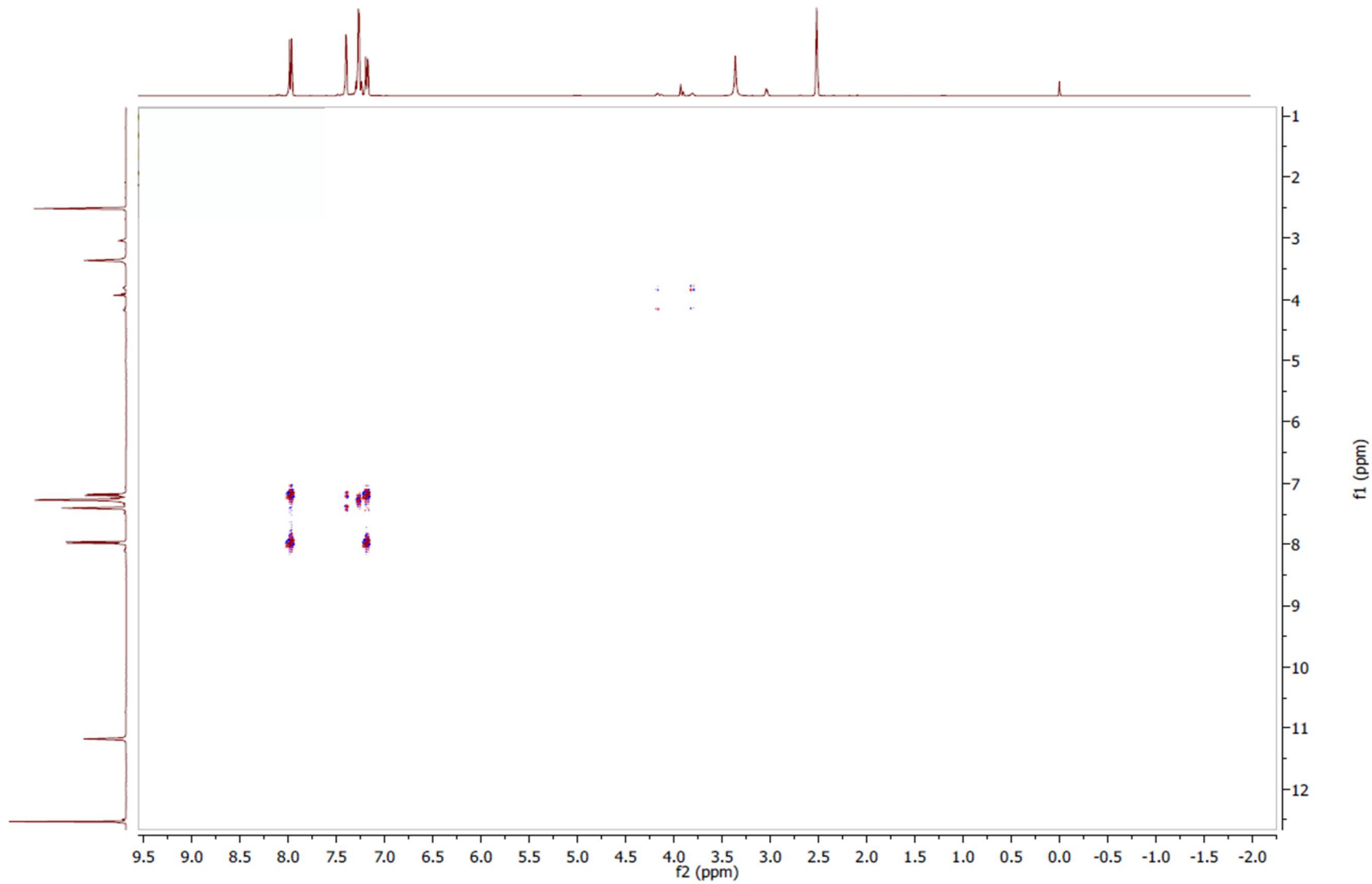
Page S17: Figure S15. HRESIMS spectrum of muracatane A (2).



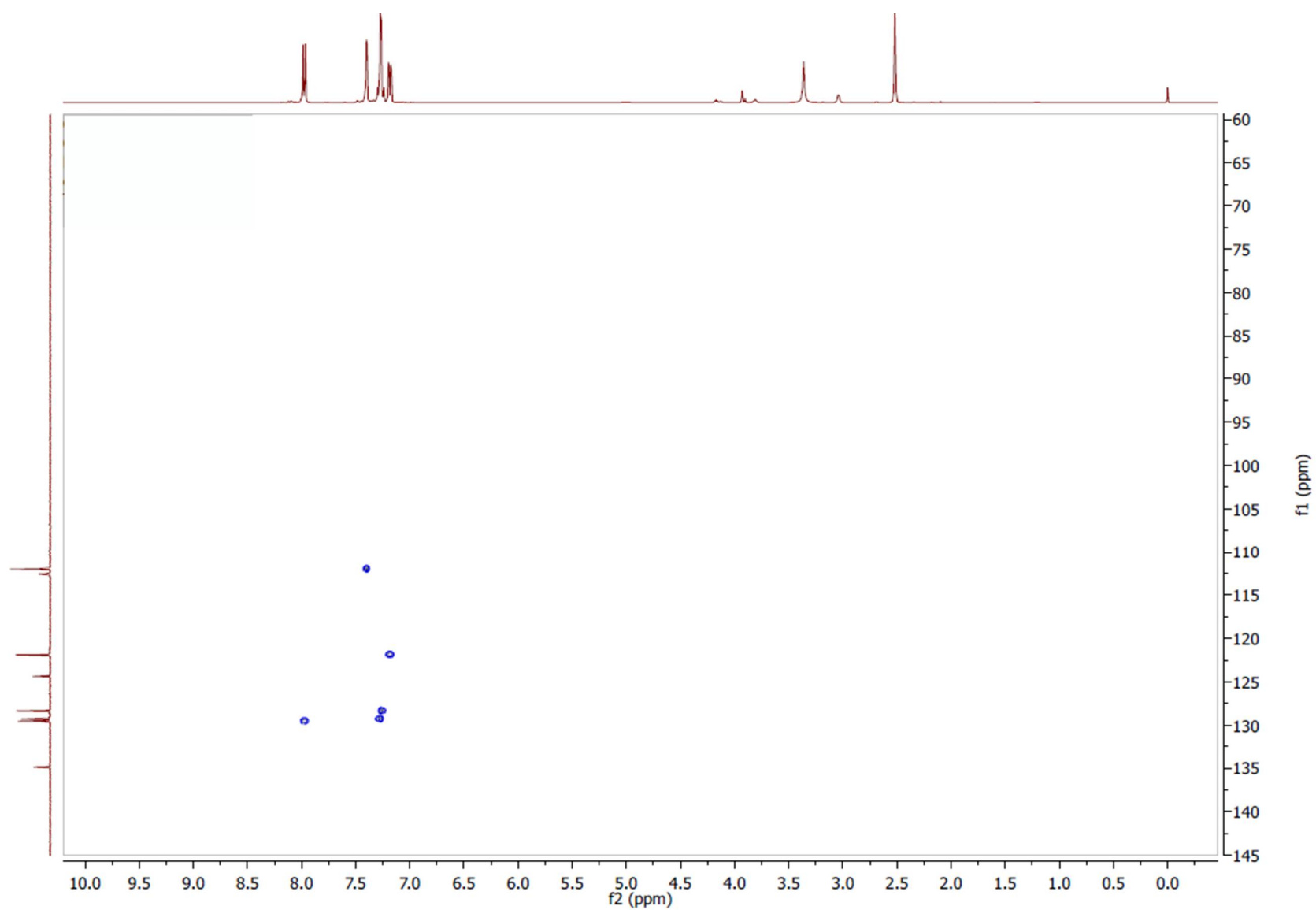
Page S18: Figure S16. ¹H NMR spectrum of muracatane B (3) (400 MHz, DMSO-d₆).



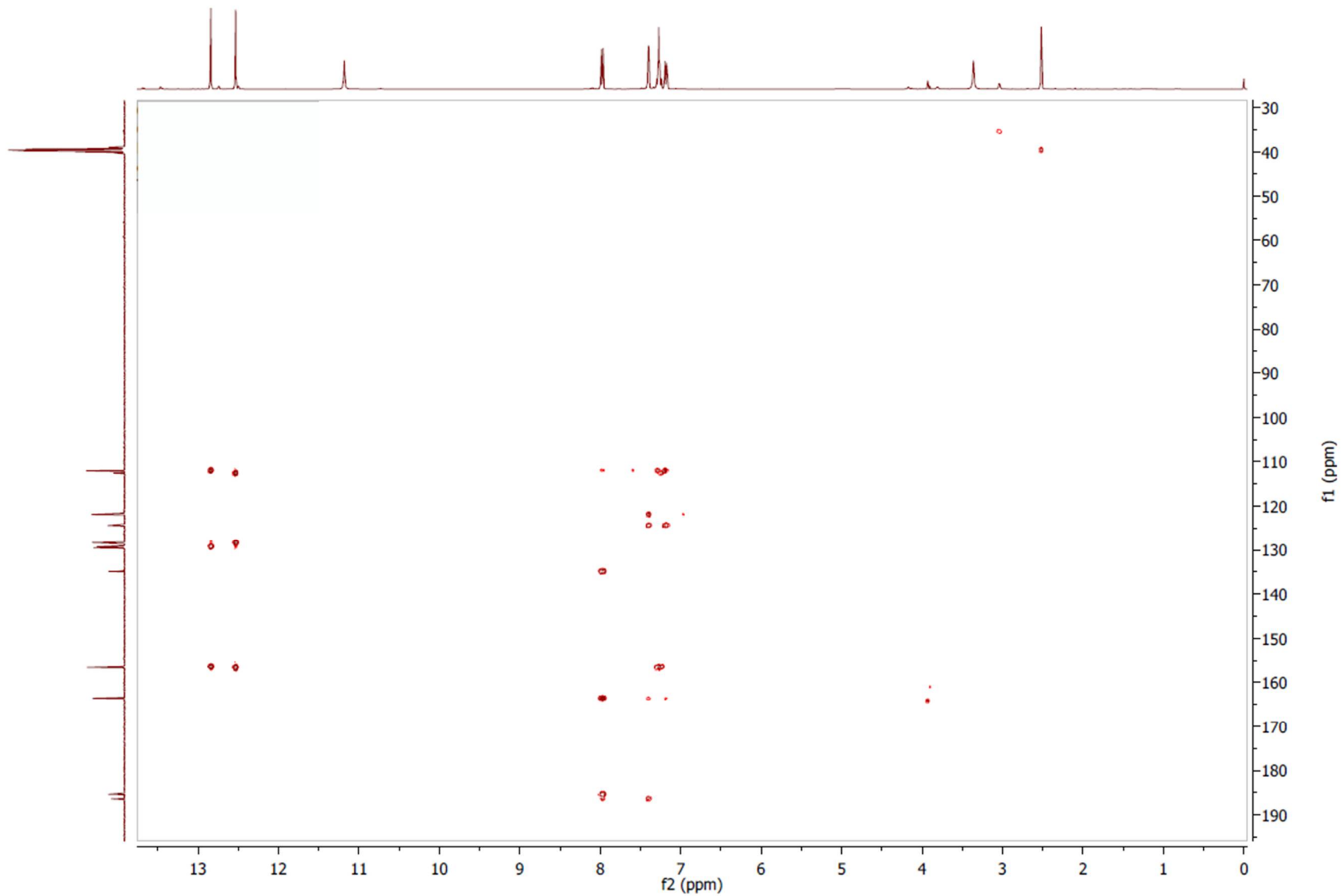
Page S19: Figure S17. ¹³C NMR spectrum of muracatane B (3) (400 MHz, DMSO-d₆).



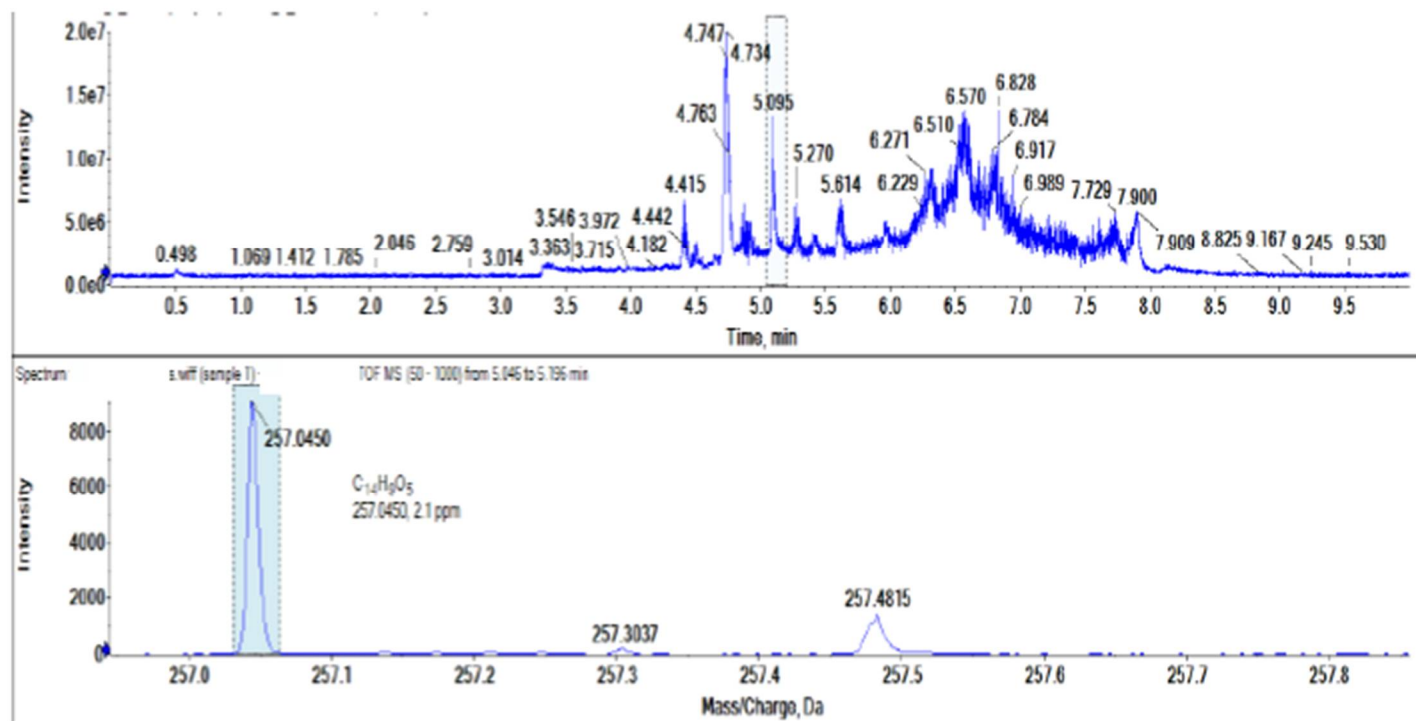
Page S20: Figure S18. COSY spectrum of muracatane B (**3**) (400 MHz, DMSO-d₆).



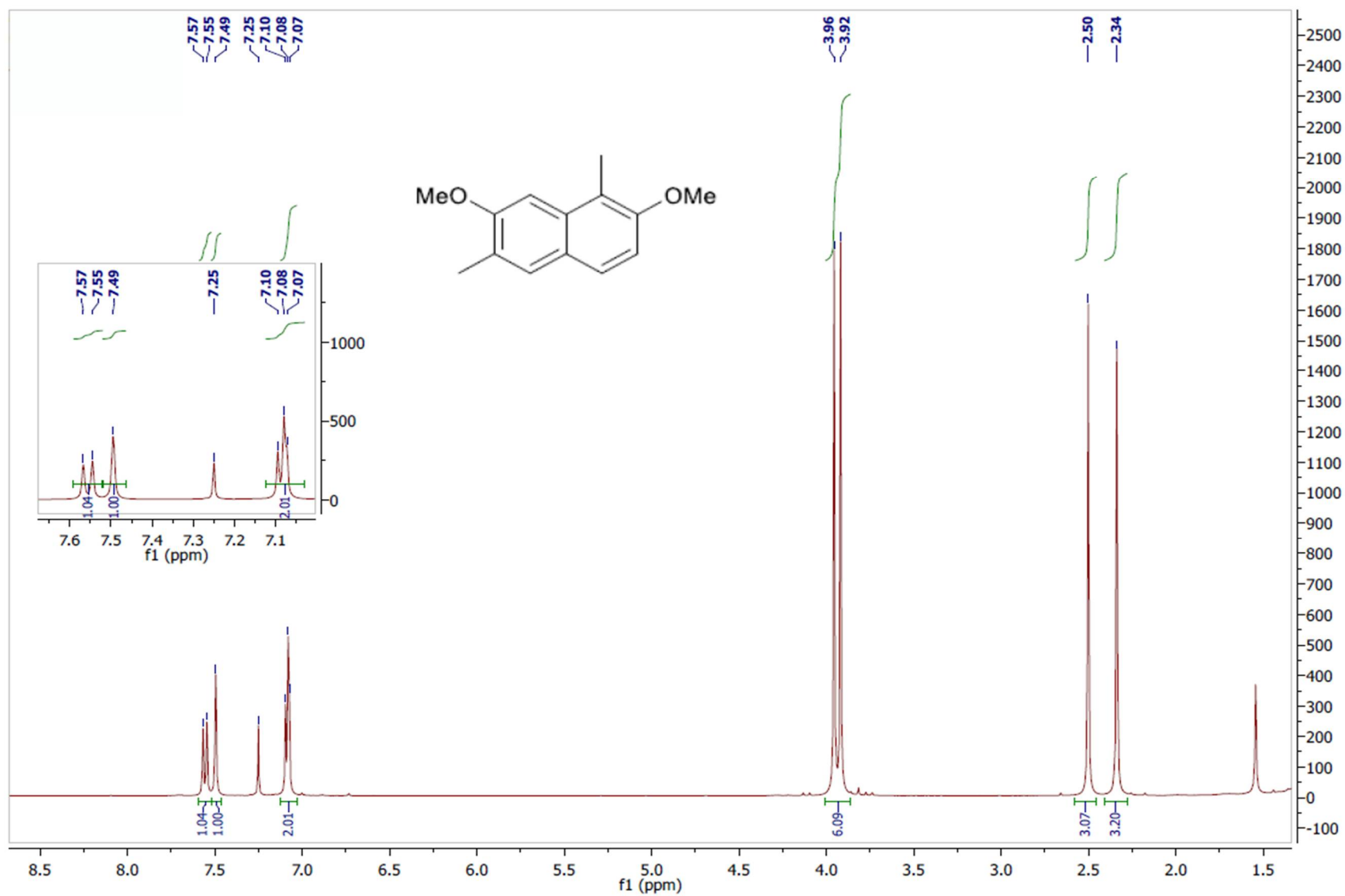
Page S21: Figure S19. HSQC spectrum of muracatane B (**3**) (400 MHz, DMSO-d₆).



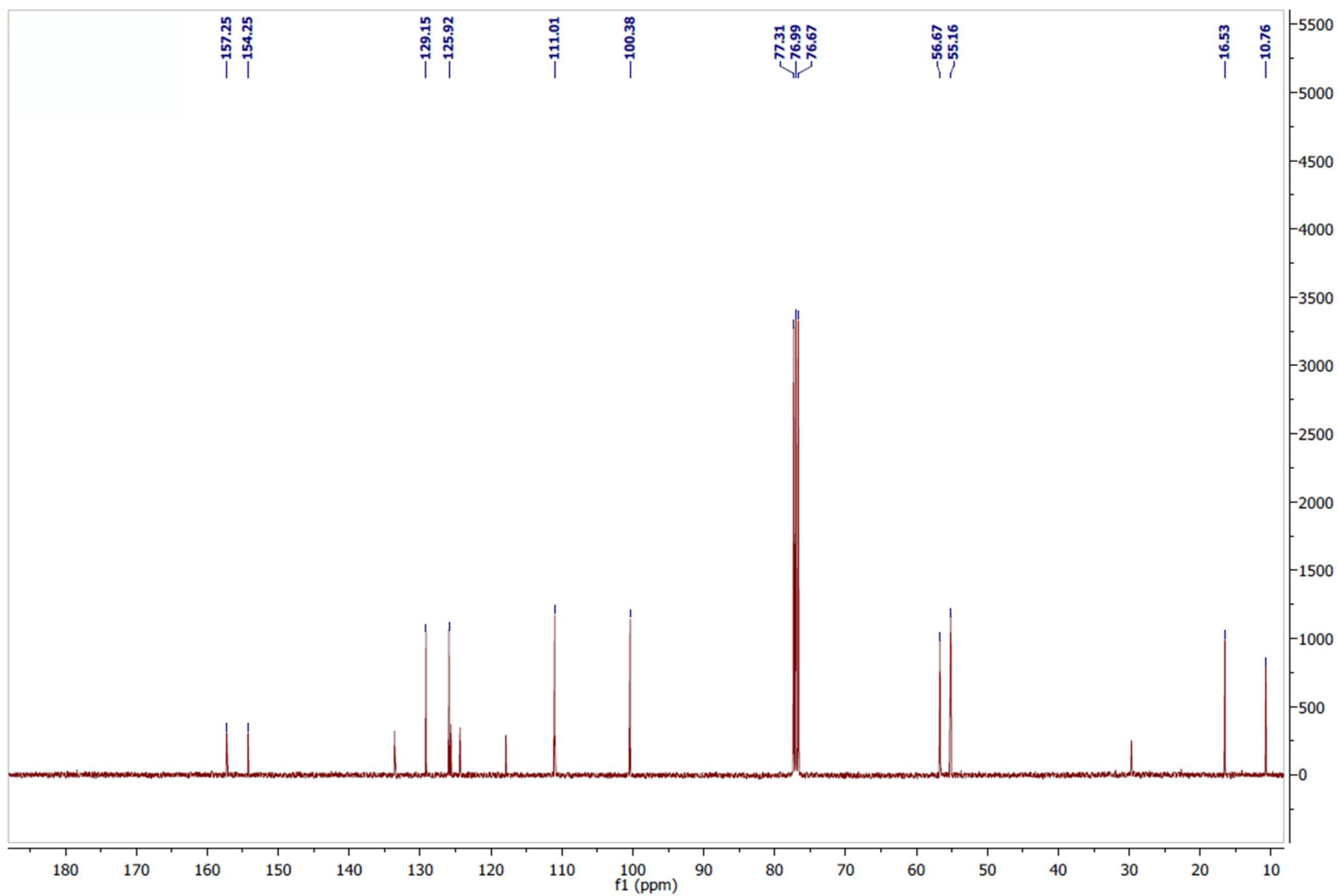
Page S22: Figure S20. HMBC spectrum of muracatane B (3) (400 MHz, DMSO-d₆).



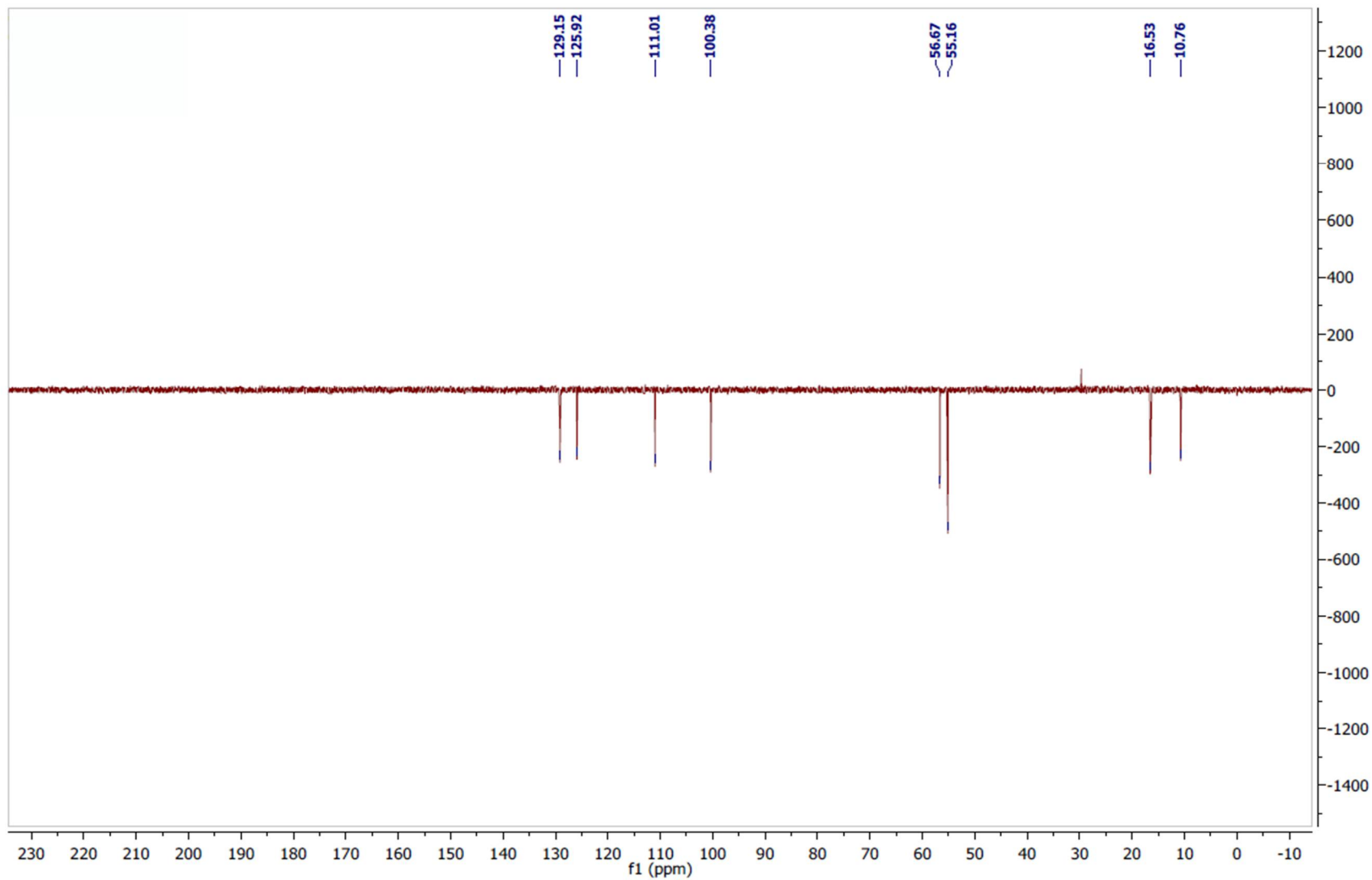
Page S23: Figure S21. HRESIMS spectrum of muracatane B (3).



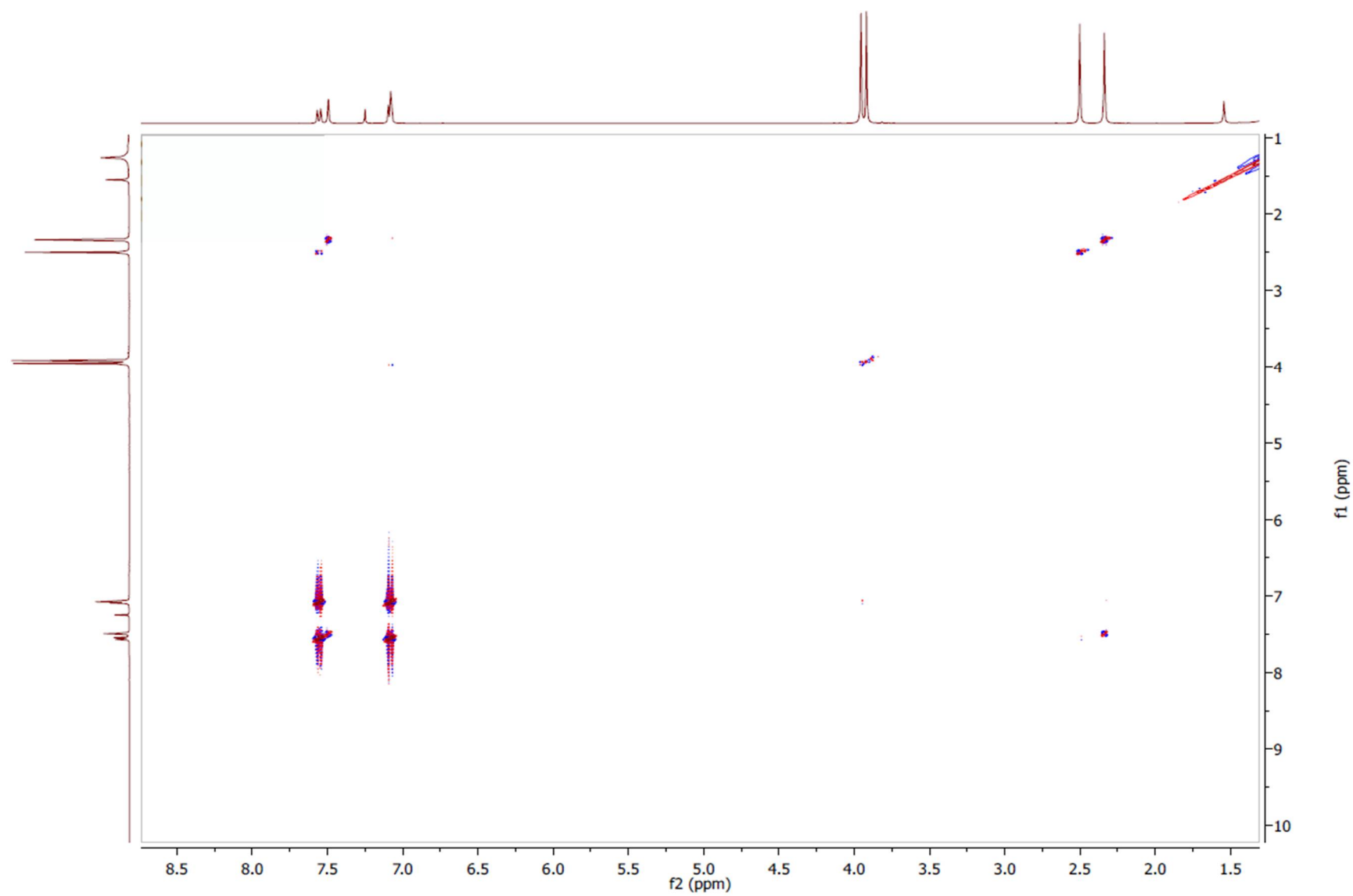
Page S24: Figure S22. ¹H NMR spectrum of muracatane C (4) (400 MHz, CDCl₃).



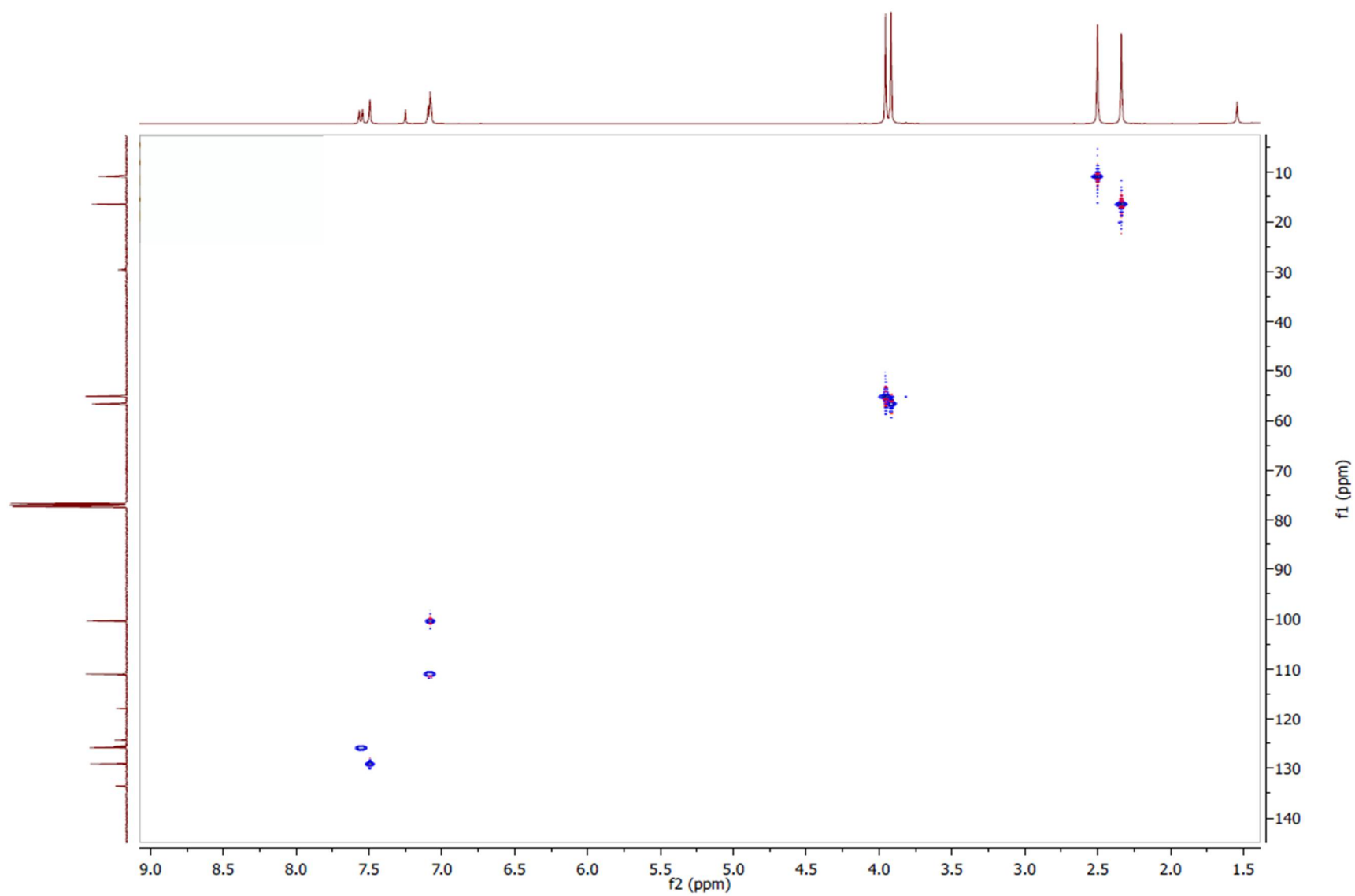
Page S25: Figure S23. ^{13}C NMR spectrum of muracatane C (4) (400 MHz, CDCl_3).



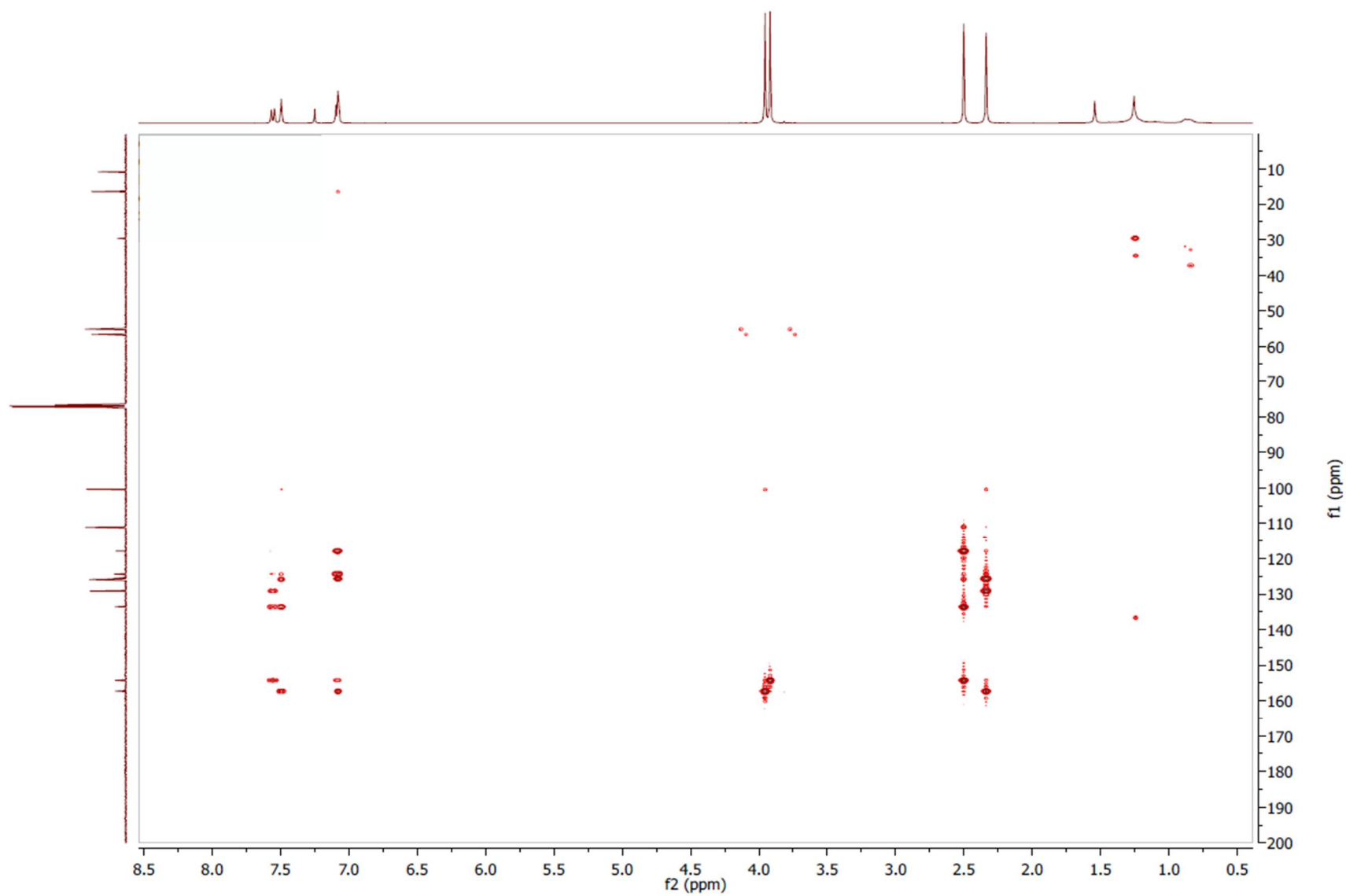
Page S26: Figure S24. DEPT spectrum of muracatane C (4) (400 MHz, CDCl₃).



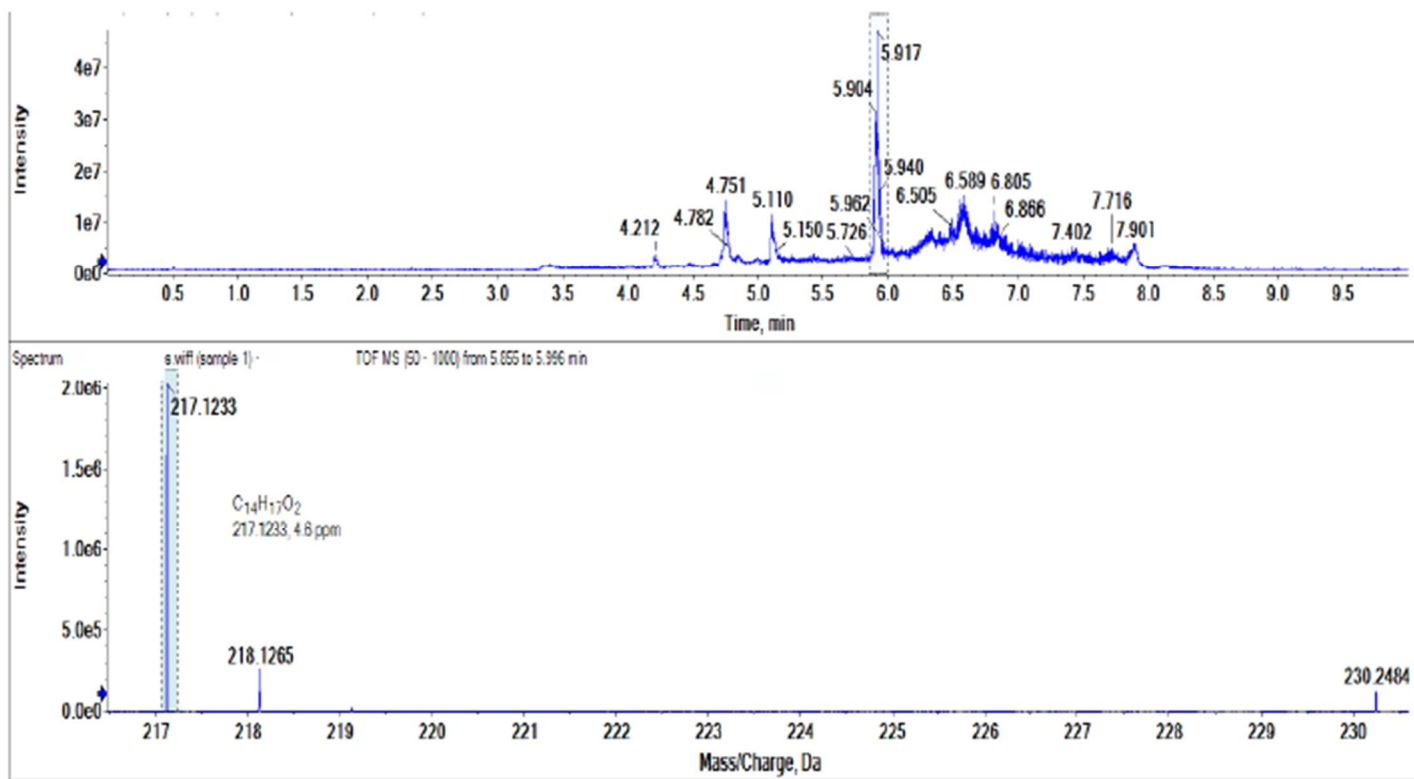
Page S27: Figure S25. COSY spectrum of muracatane C (**4**) (400 MHz, CDCl₃).



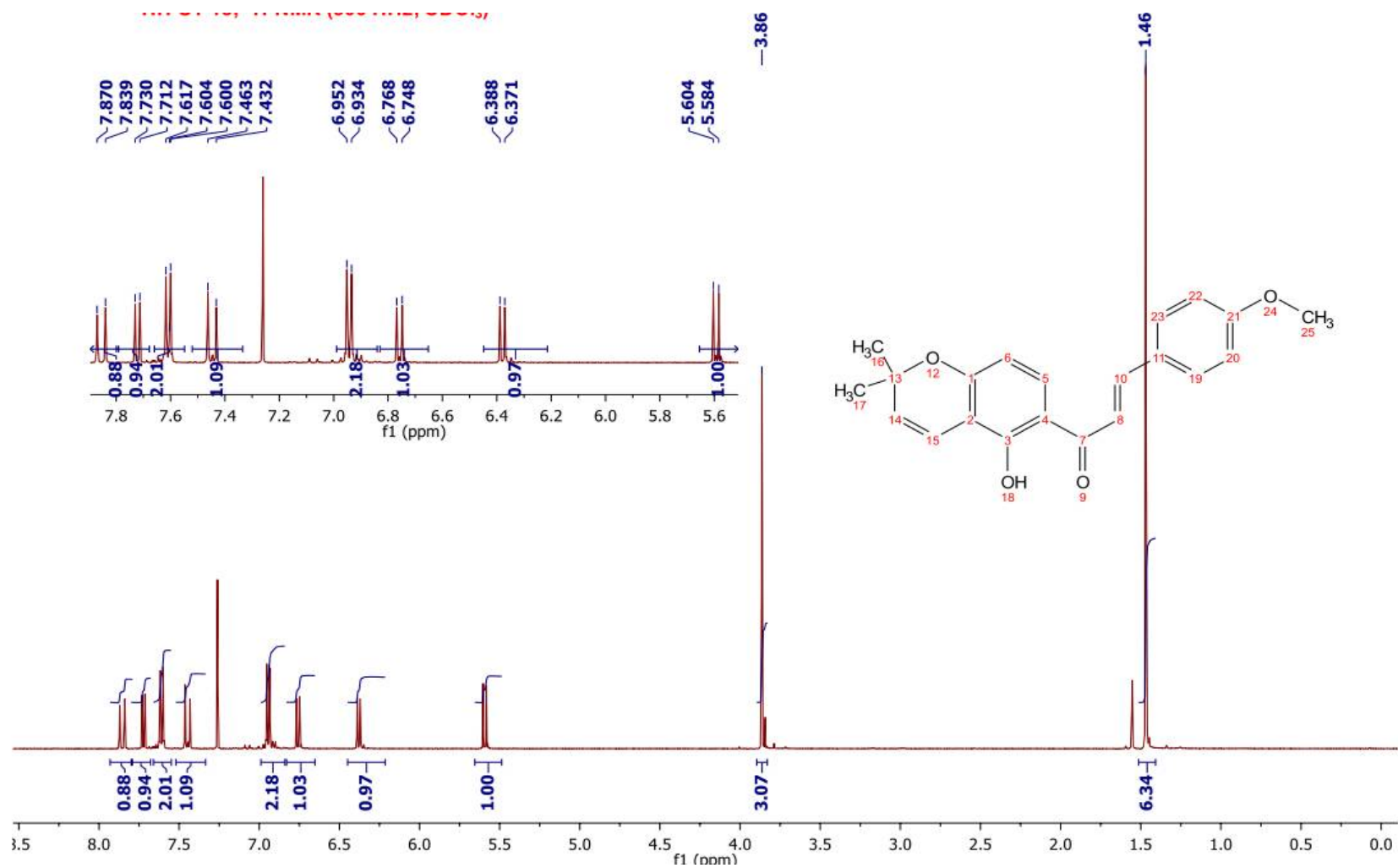
Page S28: Figure S26. HSQC spectrum of muracatane C (4) (400 MHz, CDCl₃).



Page S29: Figure S27. HMBC spectrum of muracatane C (4) (400 MHz, CDCl₃).



Page S30: Figure S28. HRESIMS spectrum of muracatane C (4).



Page S31: Figure S29. ¹H NMR spectrum of 4-methoxylonchocarpin (5)