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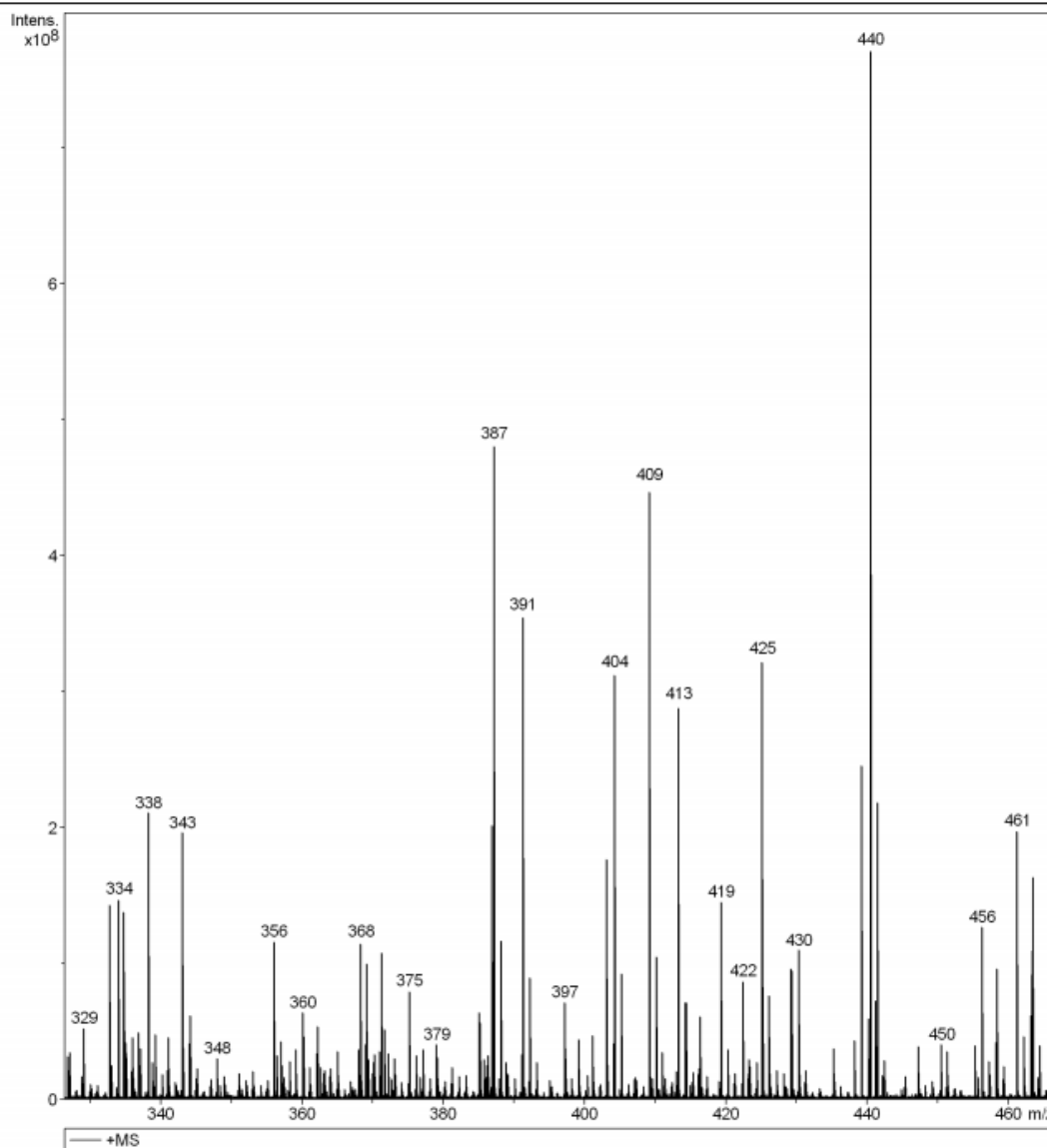
FT-MS

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10/15/2020 3:24:25 PM

Instrument: FT-MS solarix



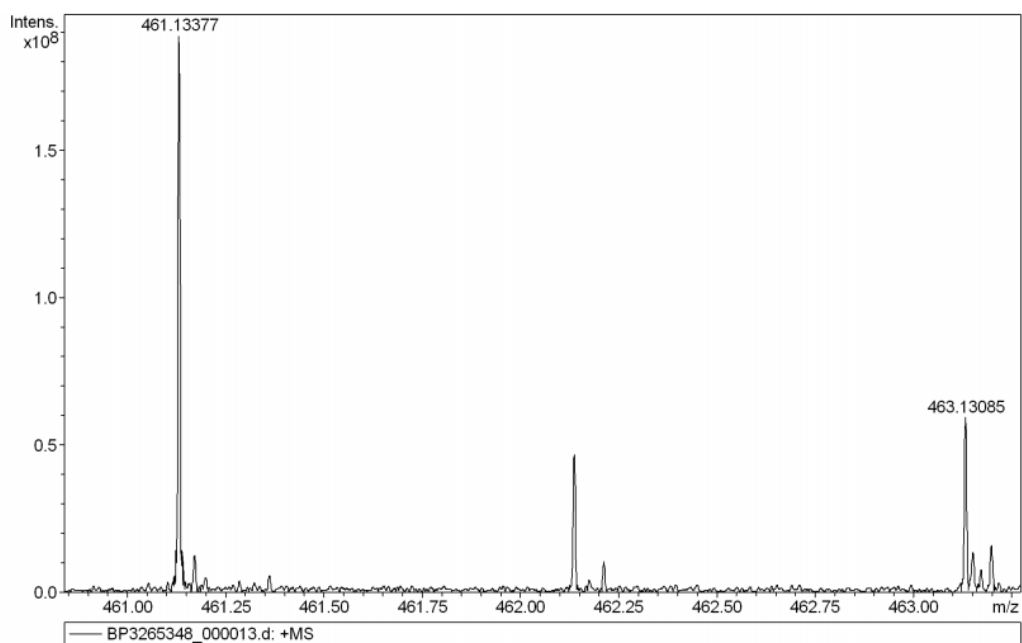
S1. ESIMS spectrum of compound **1**

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Analysis Info

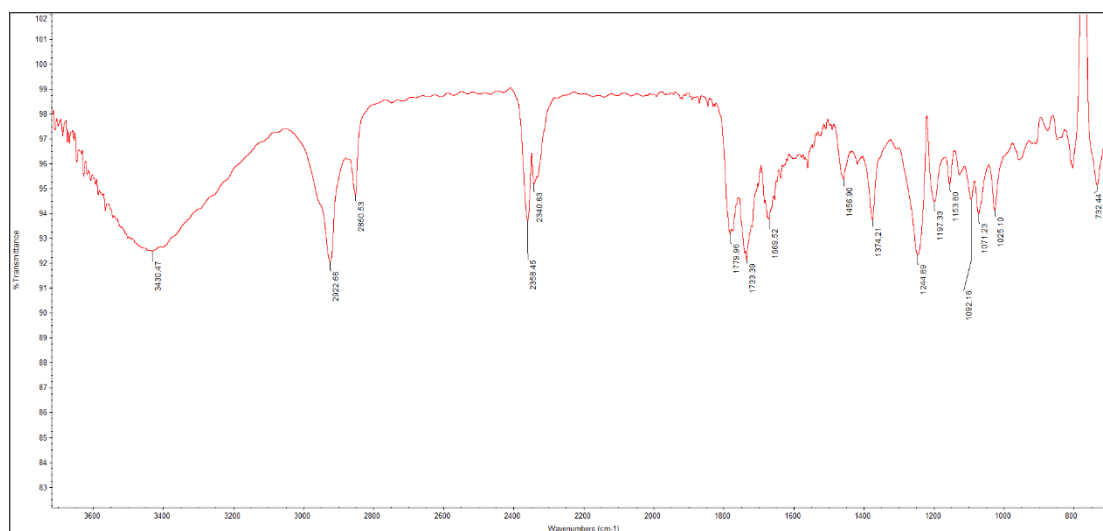
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Instrument: BRUKER FT-MS solariX

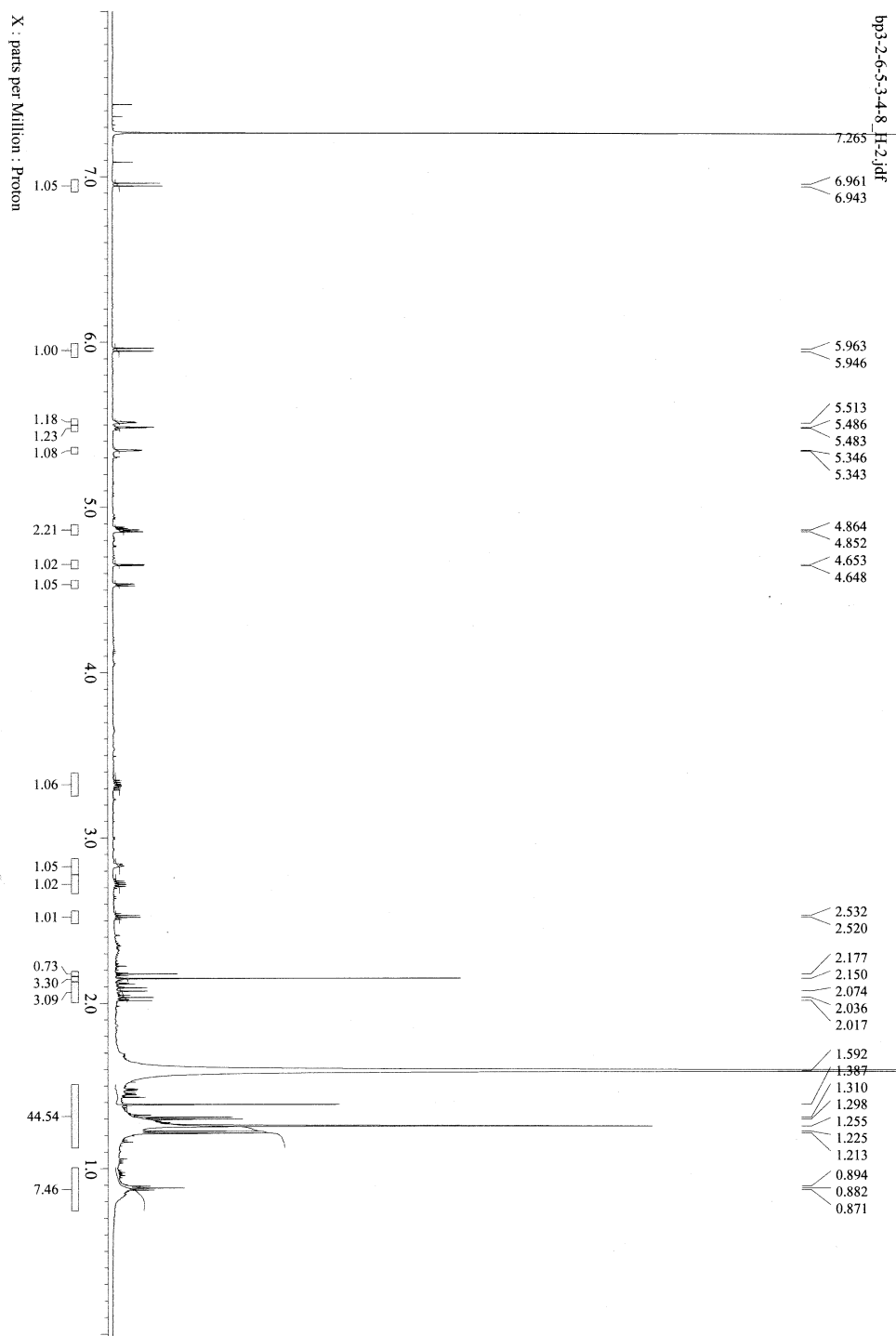


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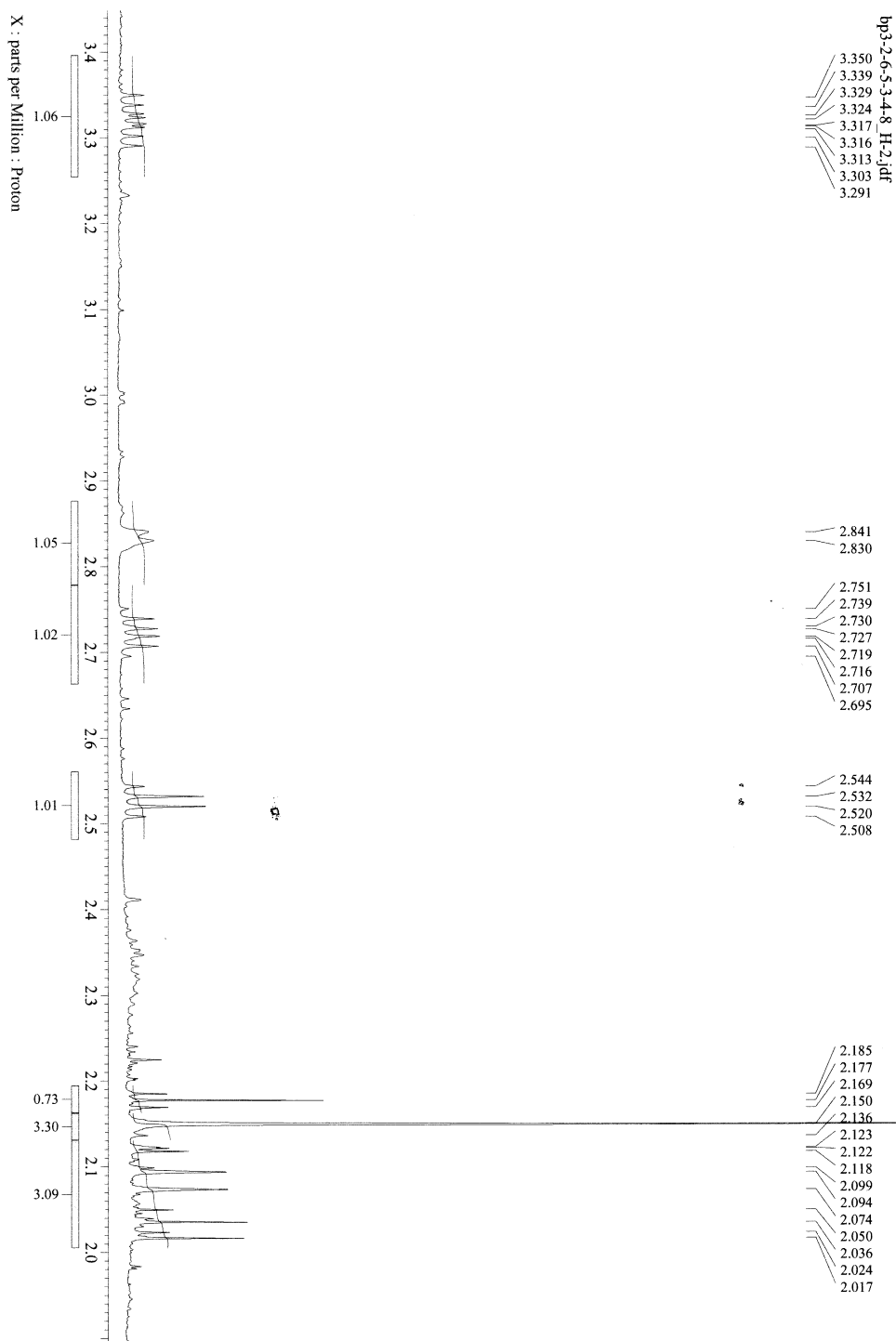
S2. HRESIMS spectrum of compound 1



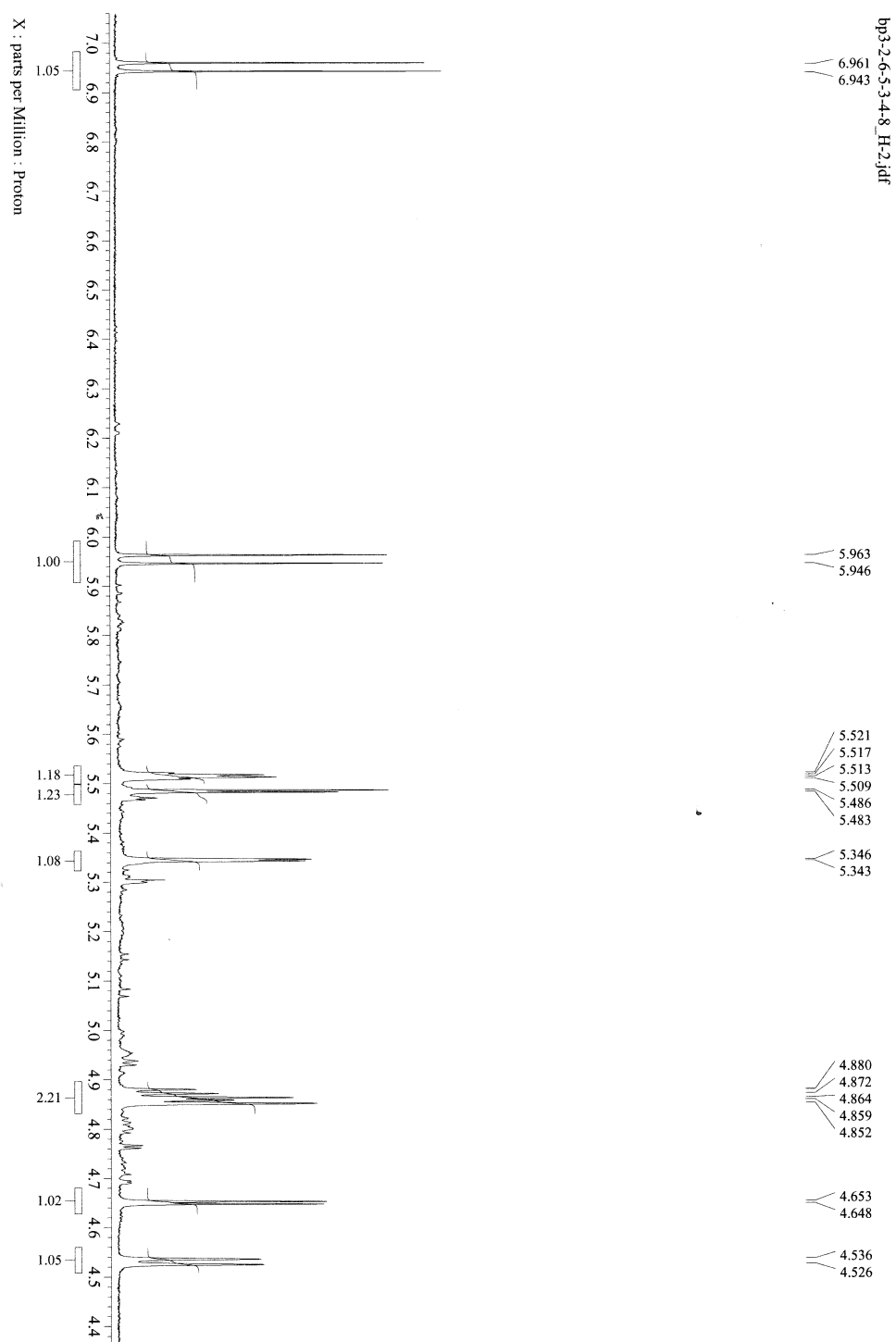
S3. IR spectrum of compound 1



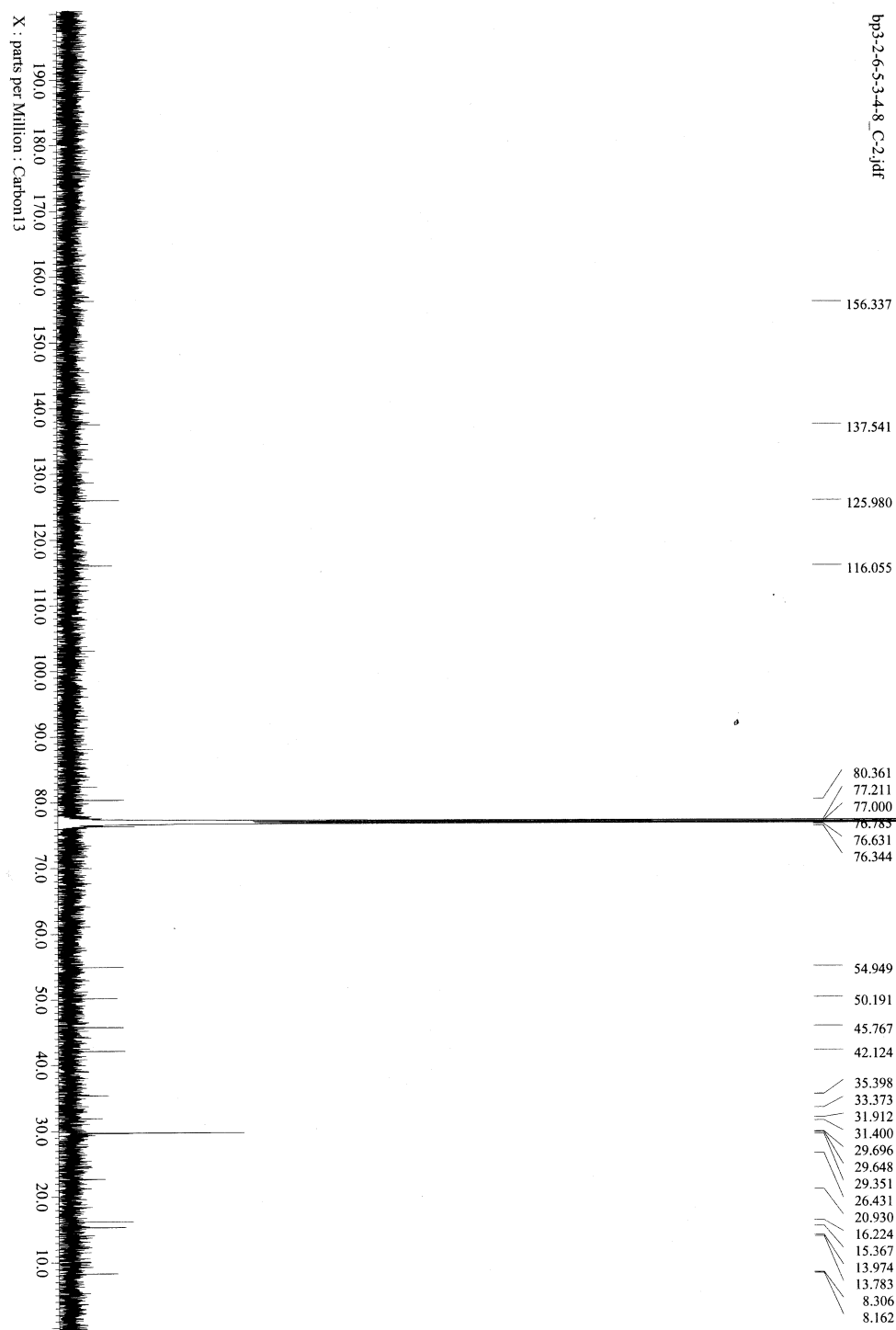
S4. ^1H NMR spectrum (600 MHz) of compound **1** in CDCl_3



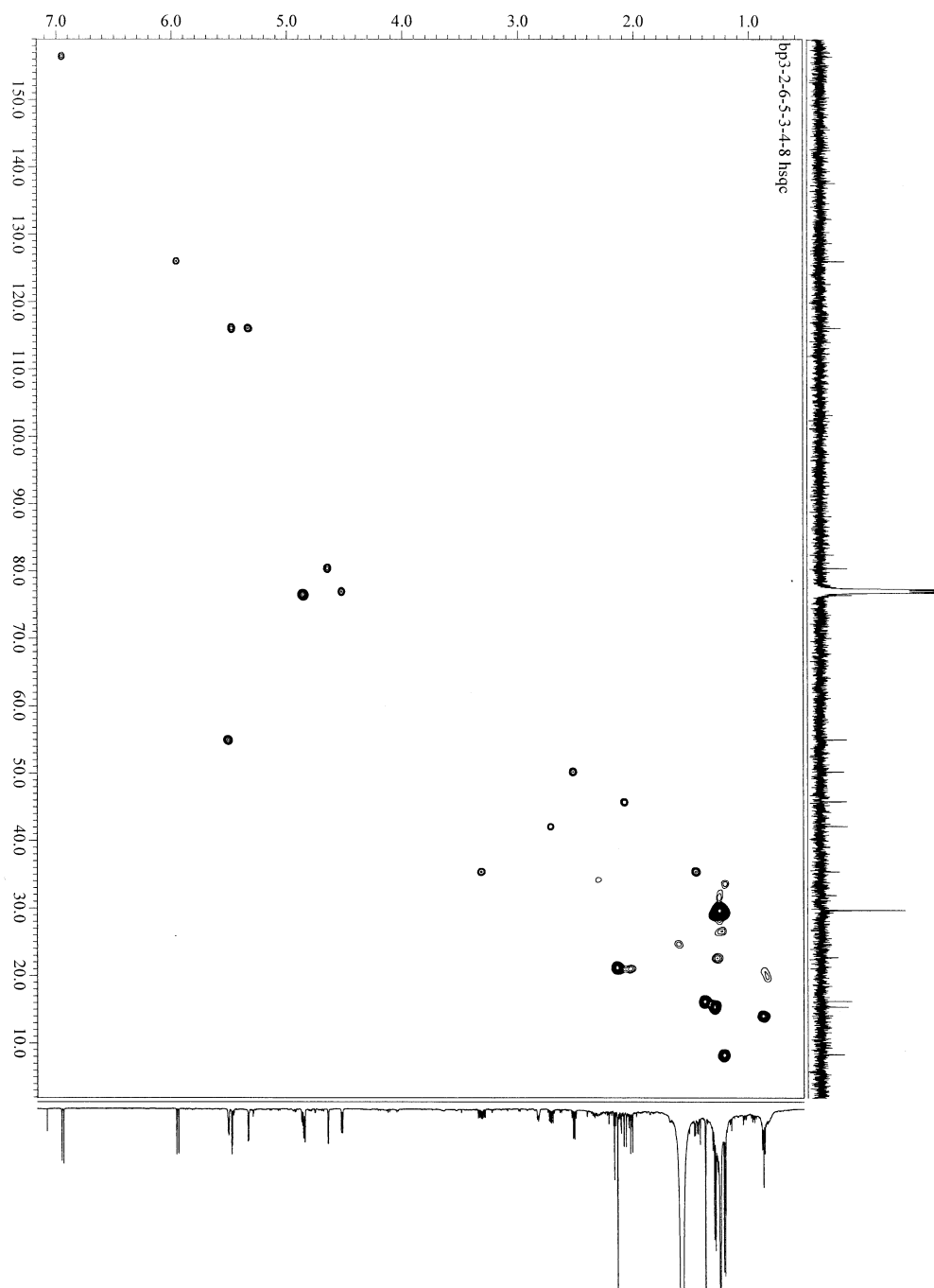
S5. Zoomed-in region of Figure S4 from 2.0-3.4 ppm



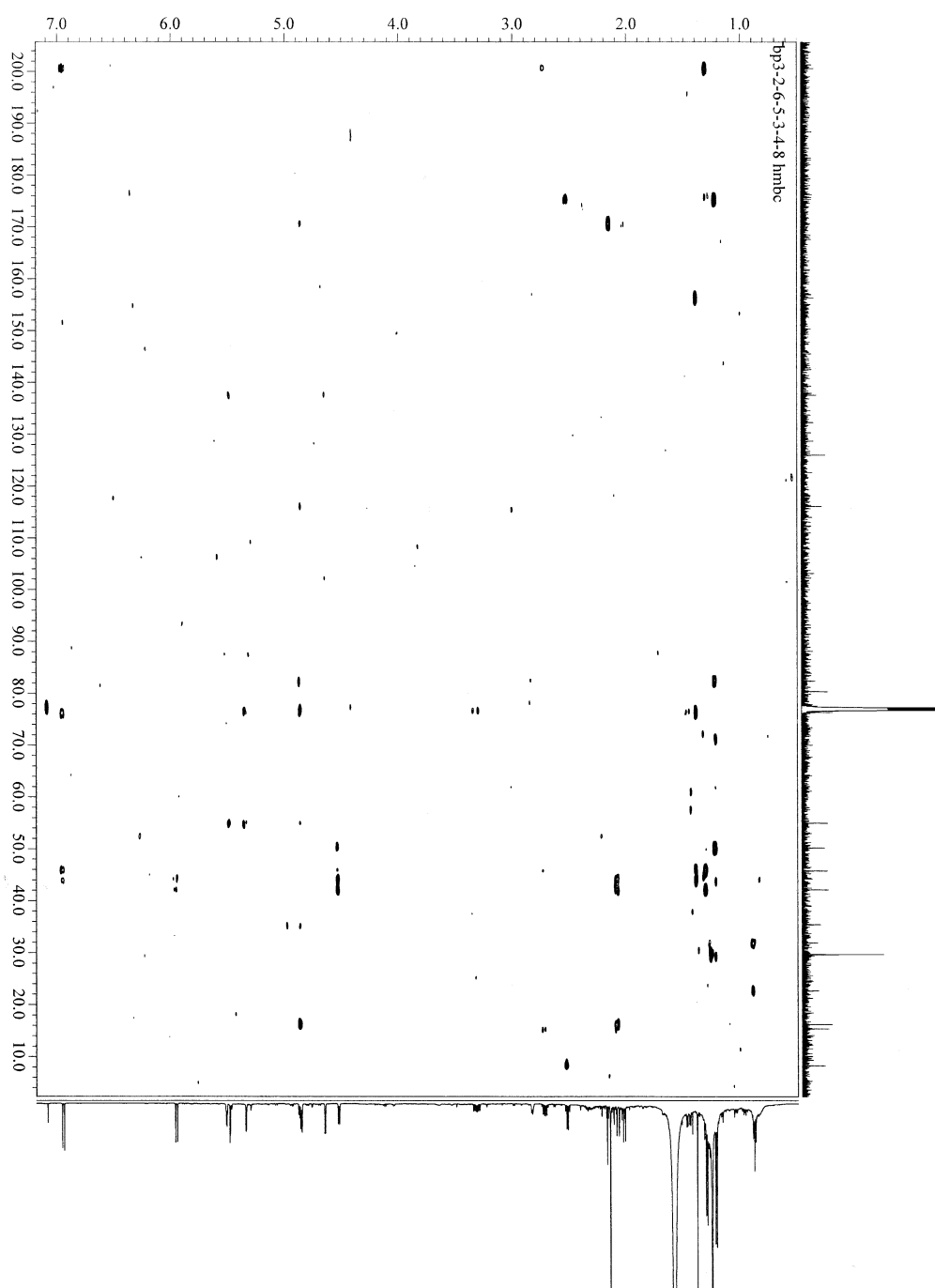
S6. Zoomed-in region of Figure S4 from 4.4-7.0 ppm



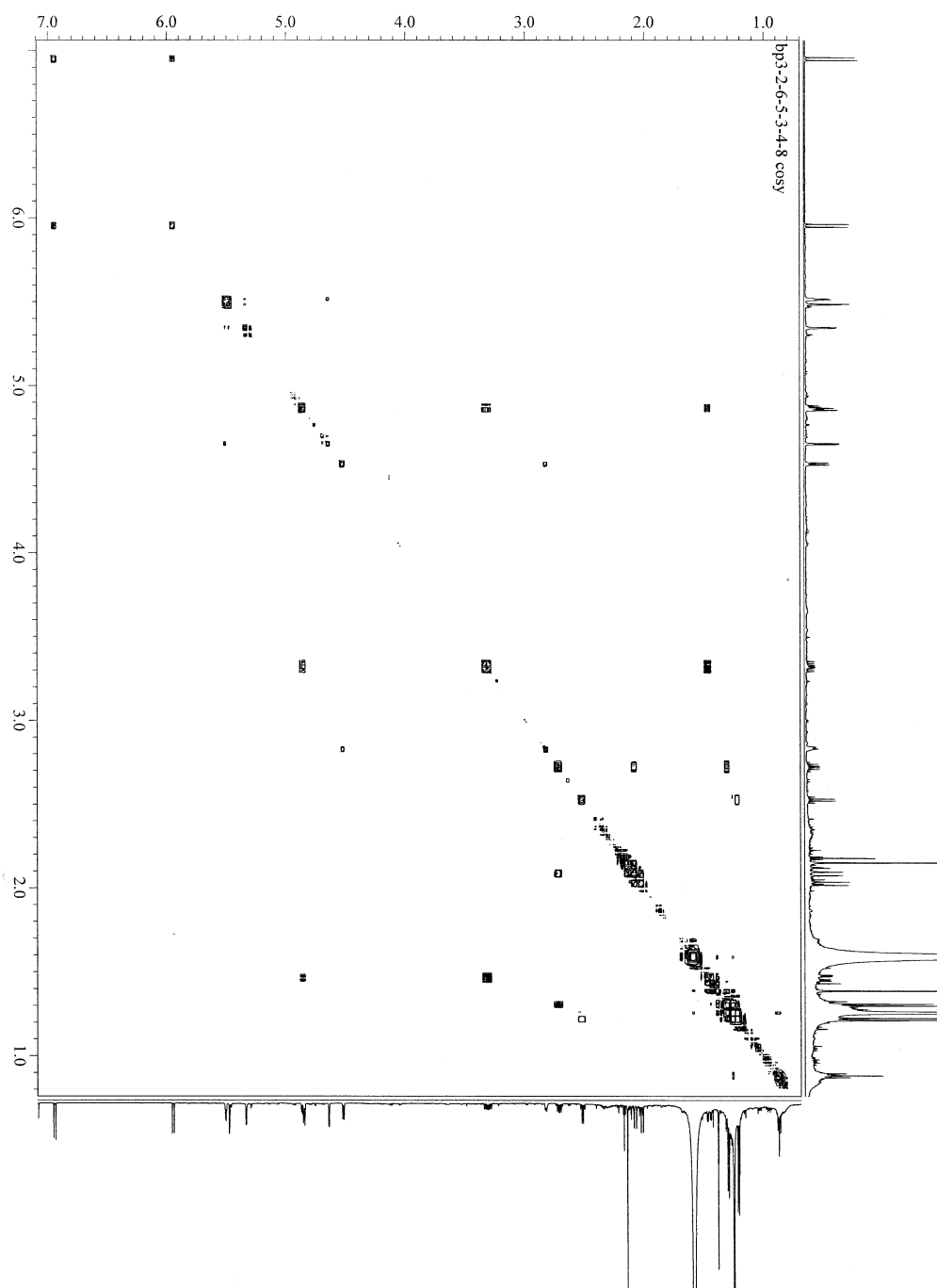
S7. ^{13}C NMR spectrum (150 MHz) of compound **1** in CDCl_3



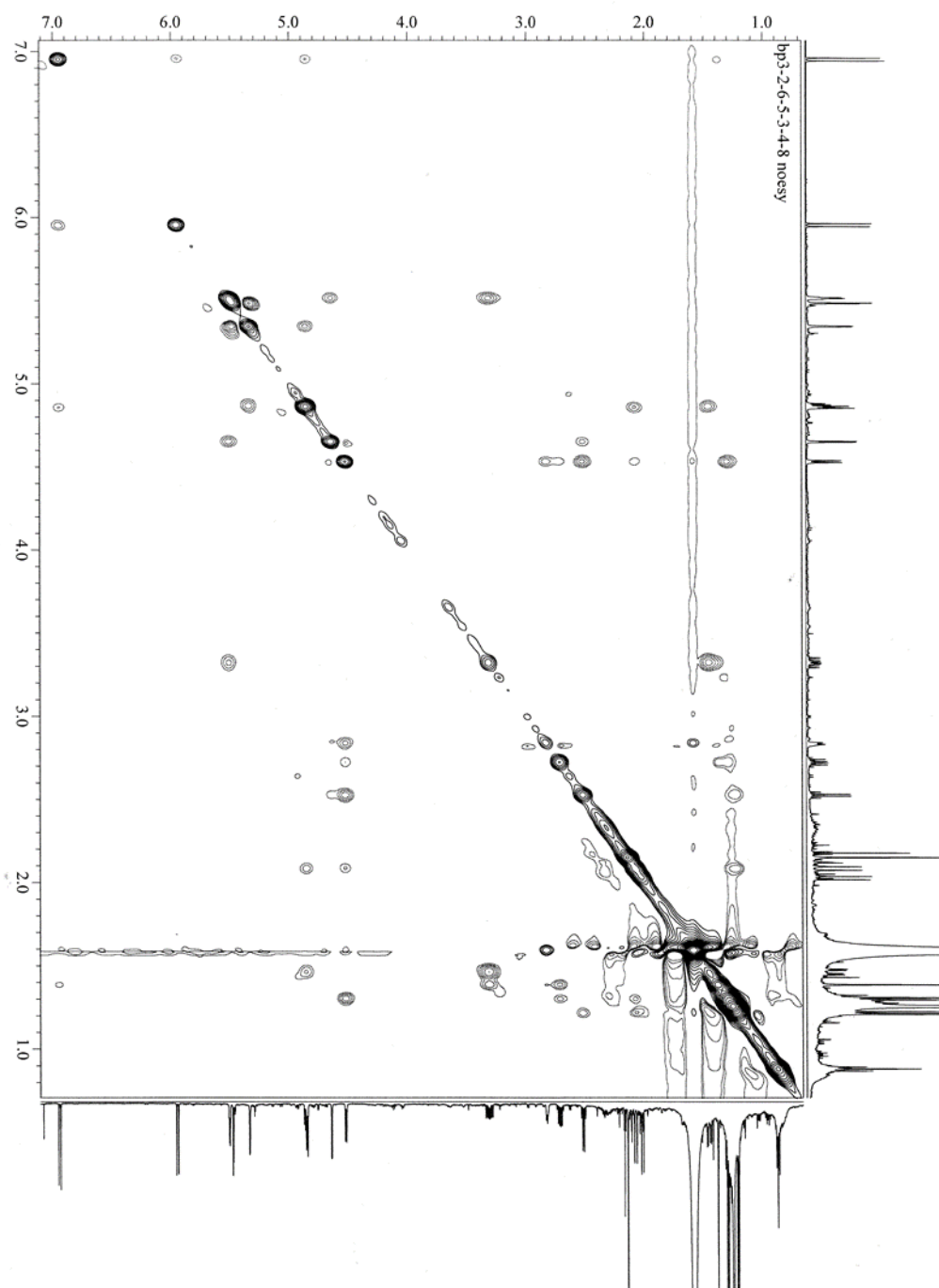
S8. HSQC spectrum of compound **1** in CDCl₃



S9. HMBC spectrum of compound **1** in CDCl₃



S10. ${}^1\text{H}$ - ${}^1\text{H}$ COSY spectrum of compound **1** in CDCl_3



S11. NOESY spectrum of compound **1** in CDCl₃

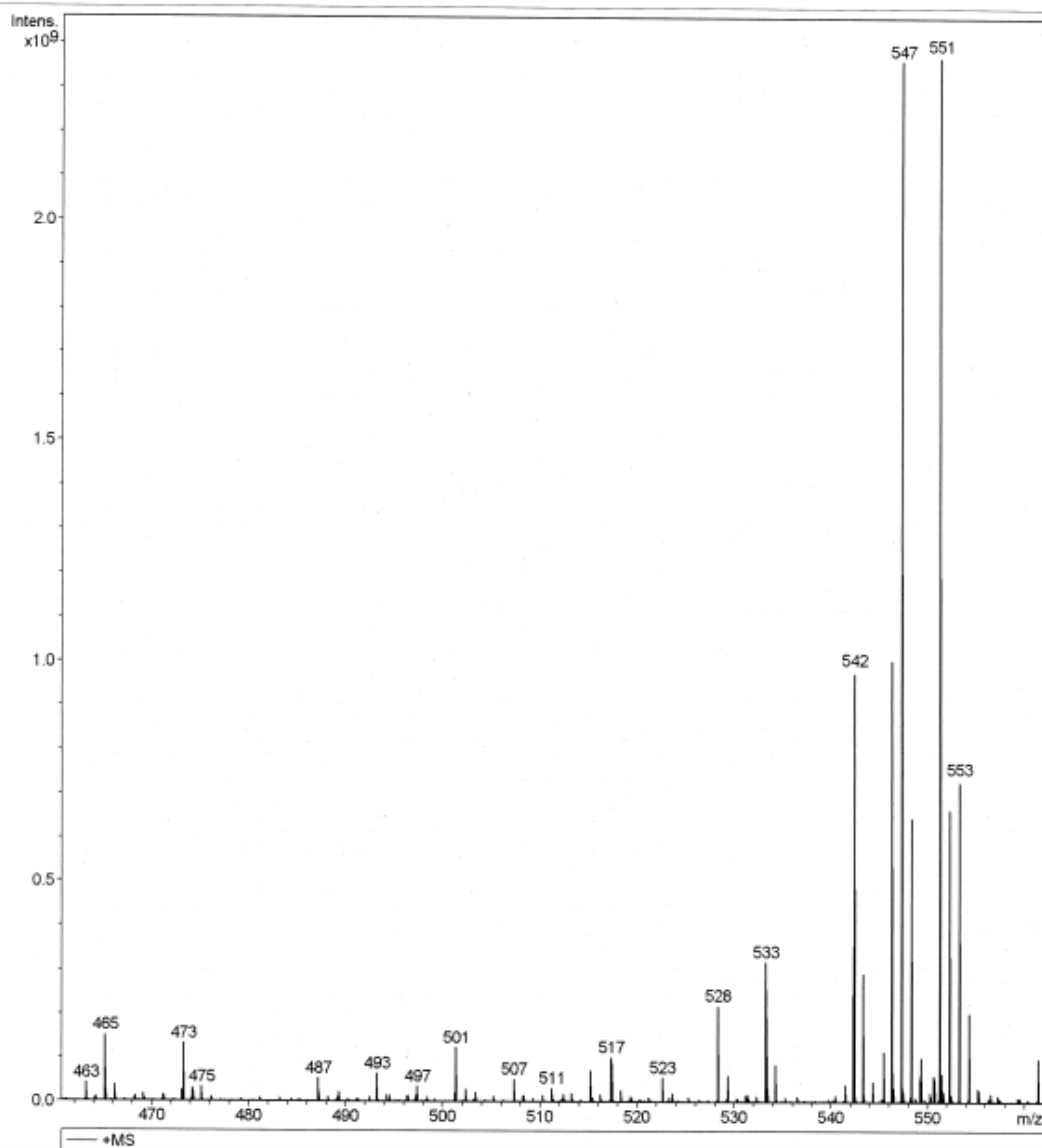
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Instrument: FT-MS solarix



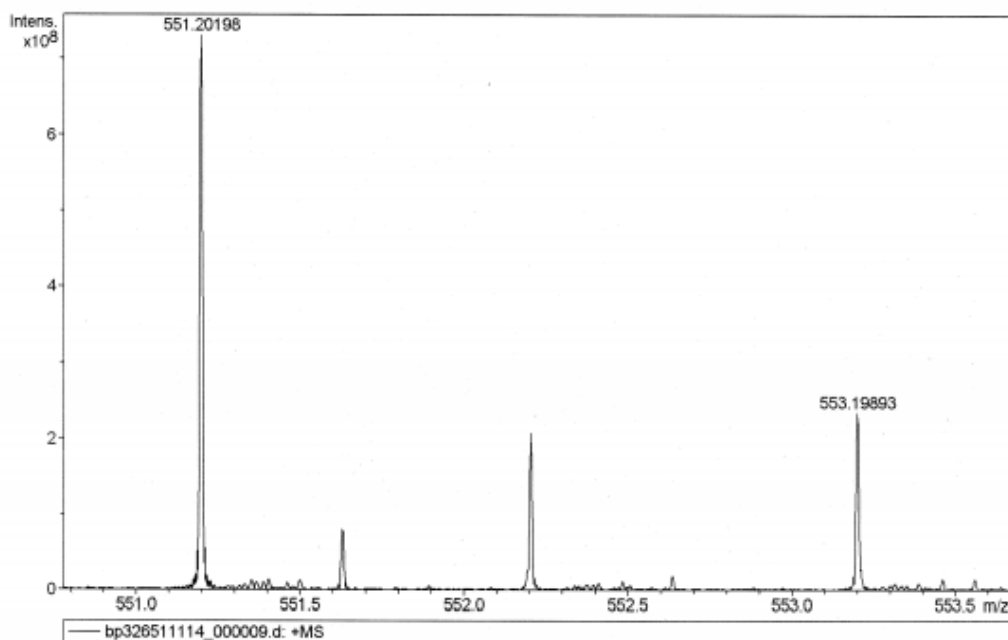
S12. ESIMS spectrum of compound 2

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Analysis Info

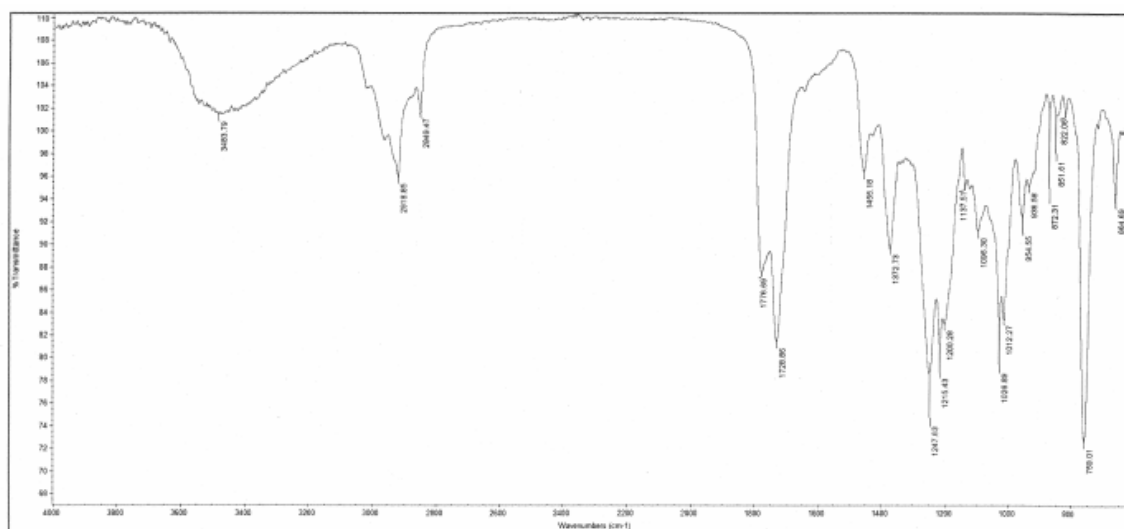
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Instrument: BRUKER FT-MS solarix

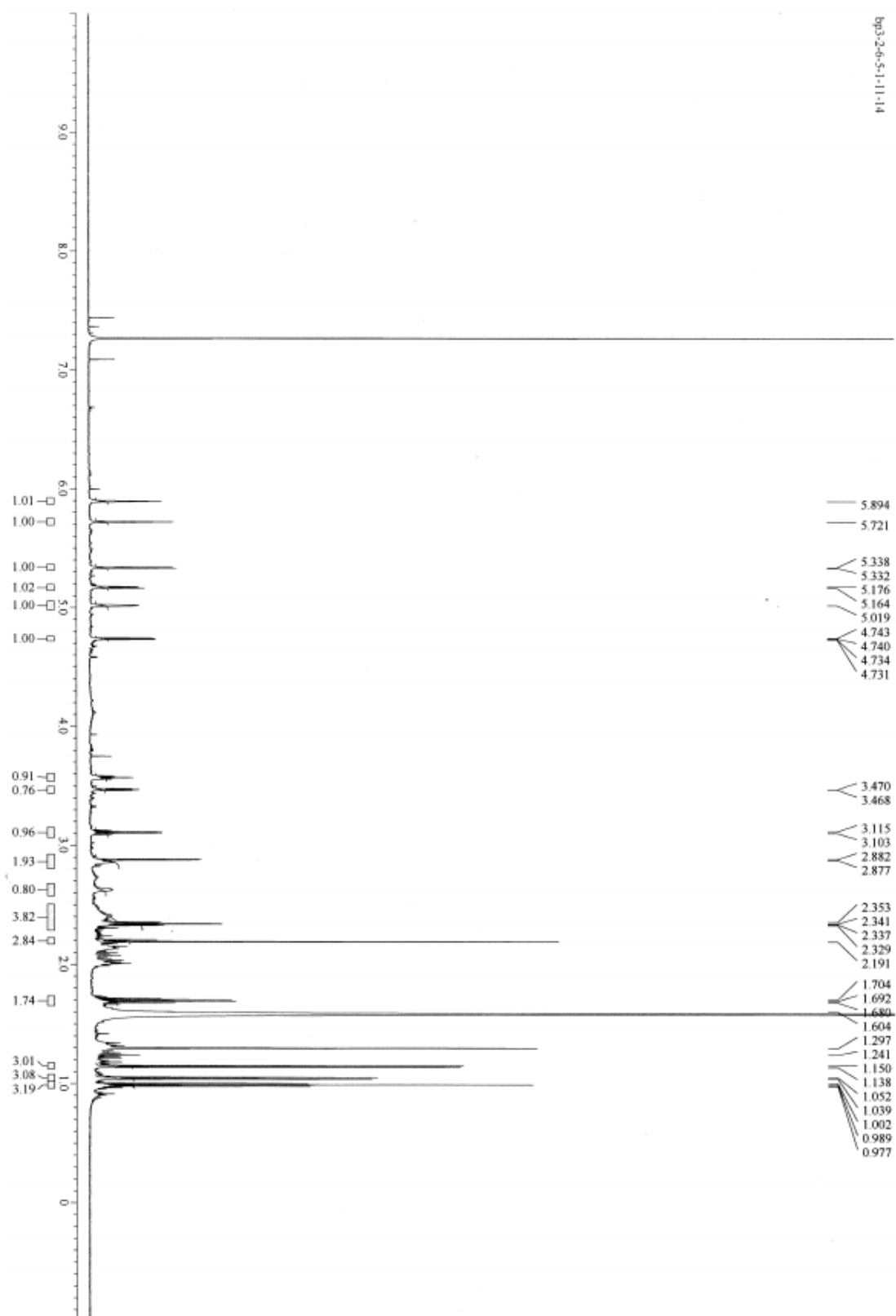


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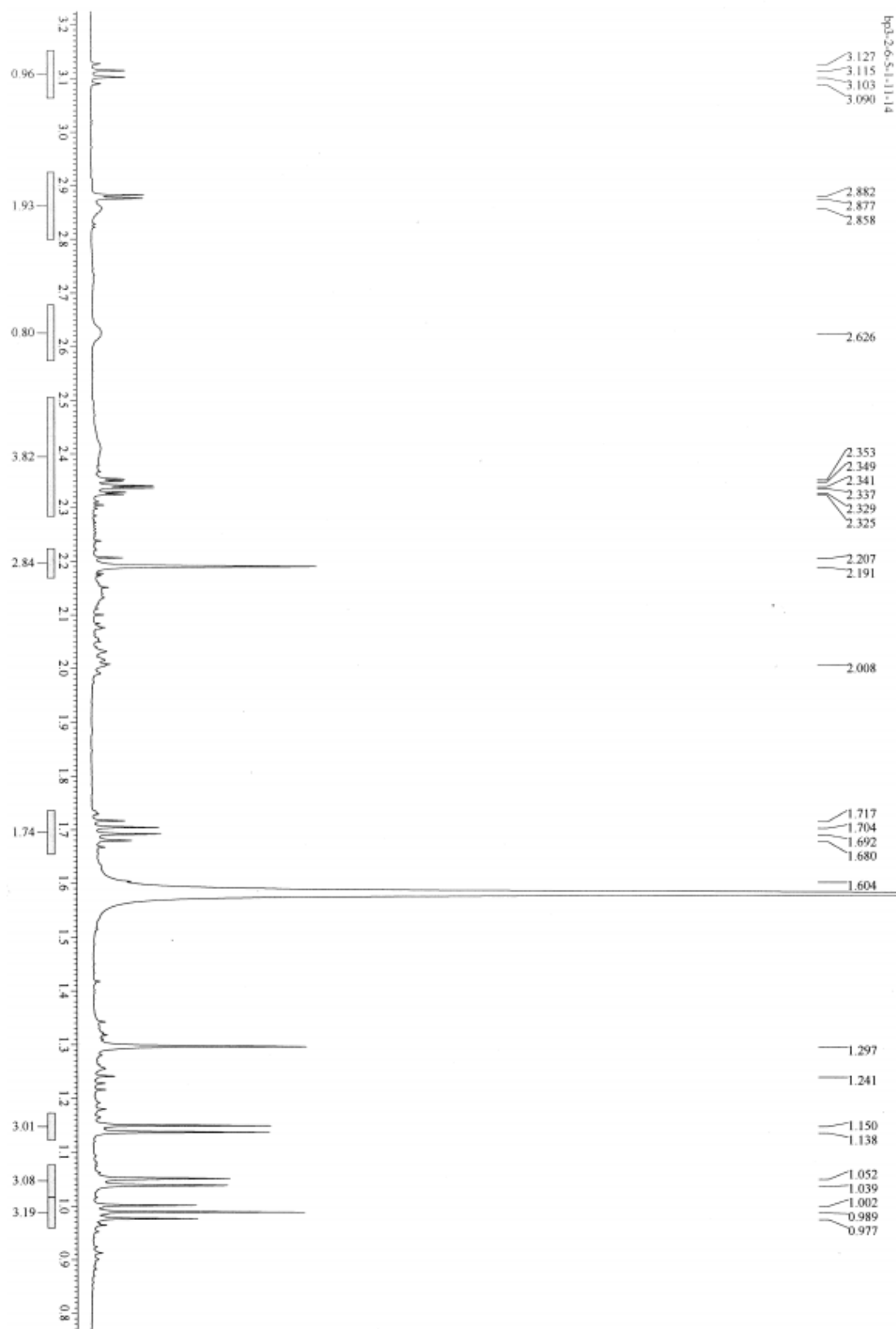
S13. HRESIMS spectrum of compound 2



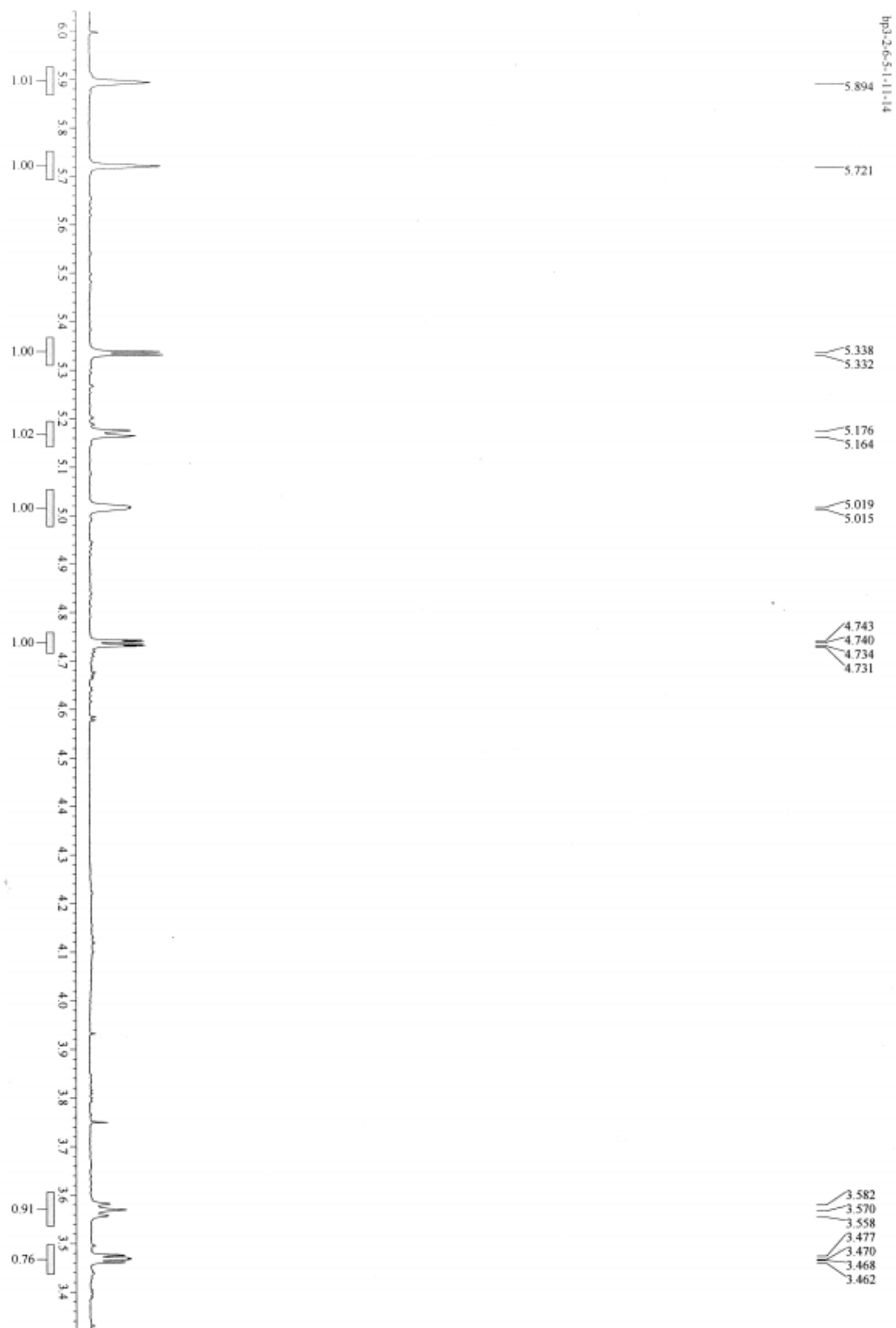
S14. IR spectrum of compound 2



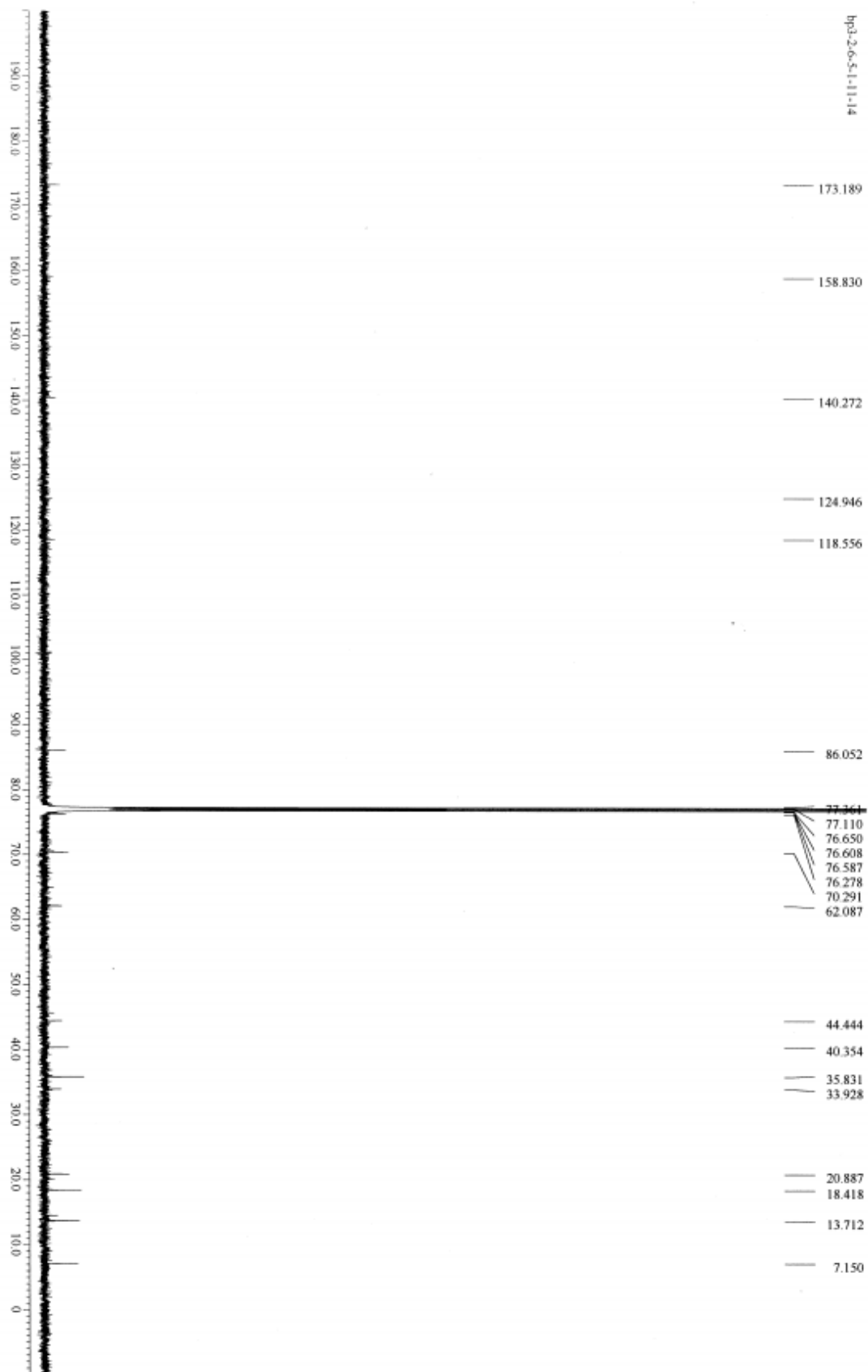
S15. ^1H NMR spectrum (600 MHz) of compound **2** in CDCl_3



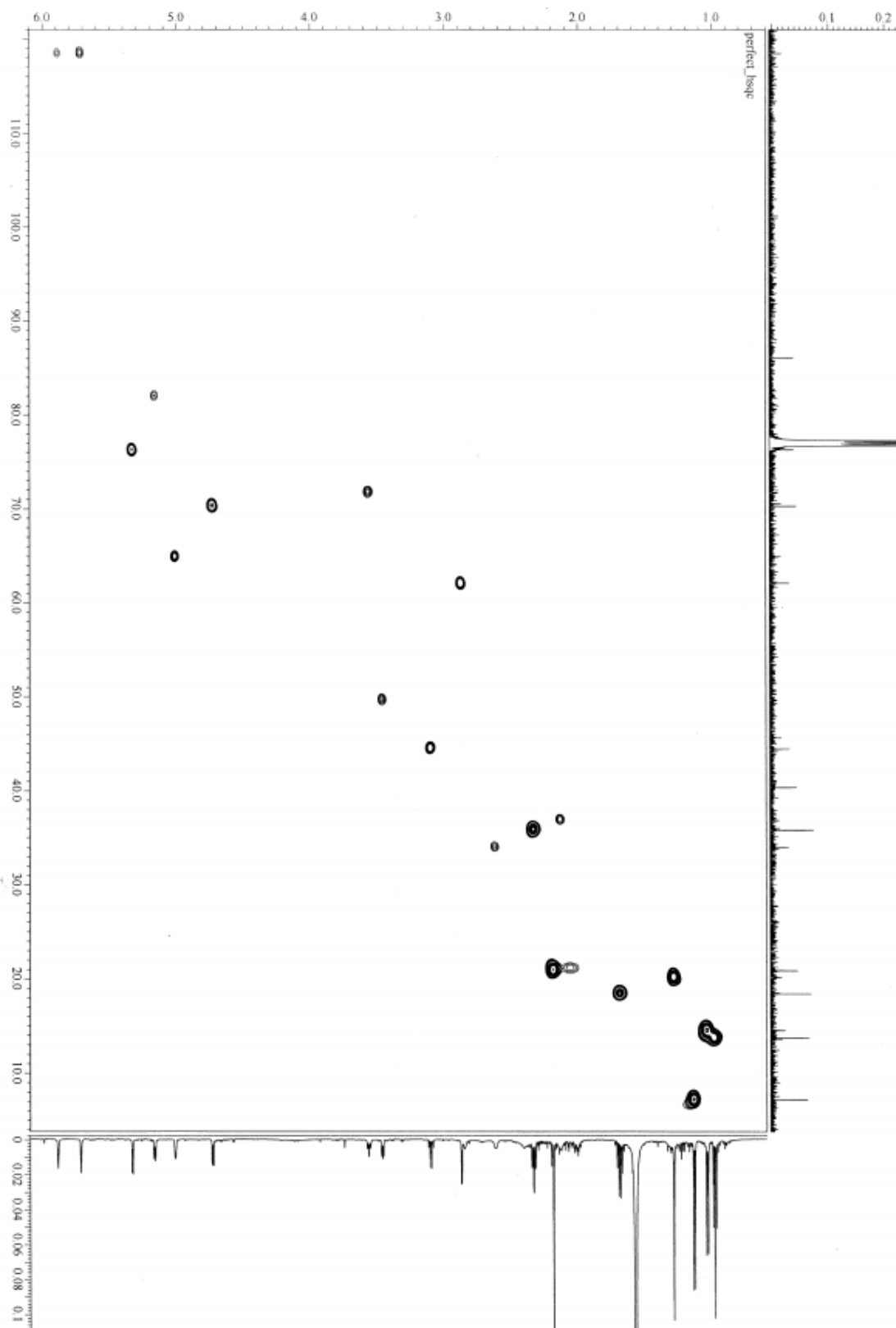
S16. Zoomed-in region of Figure S15 from 0.8-3.2 ppm



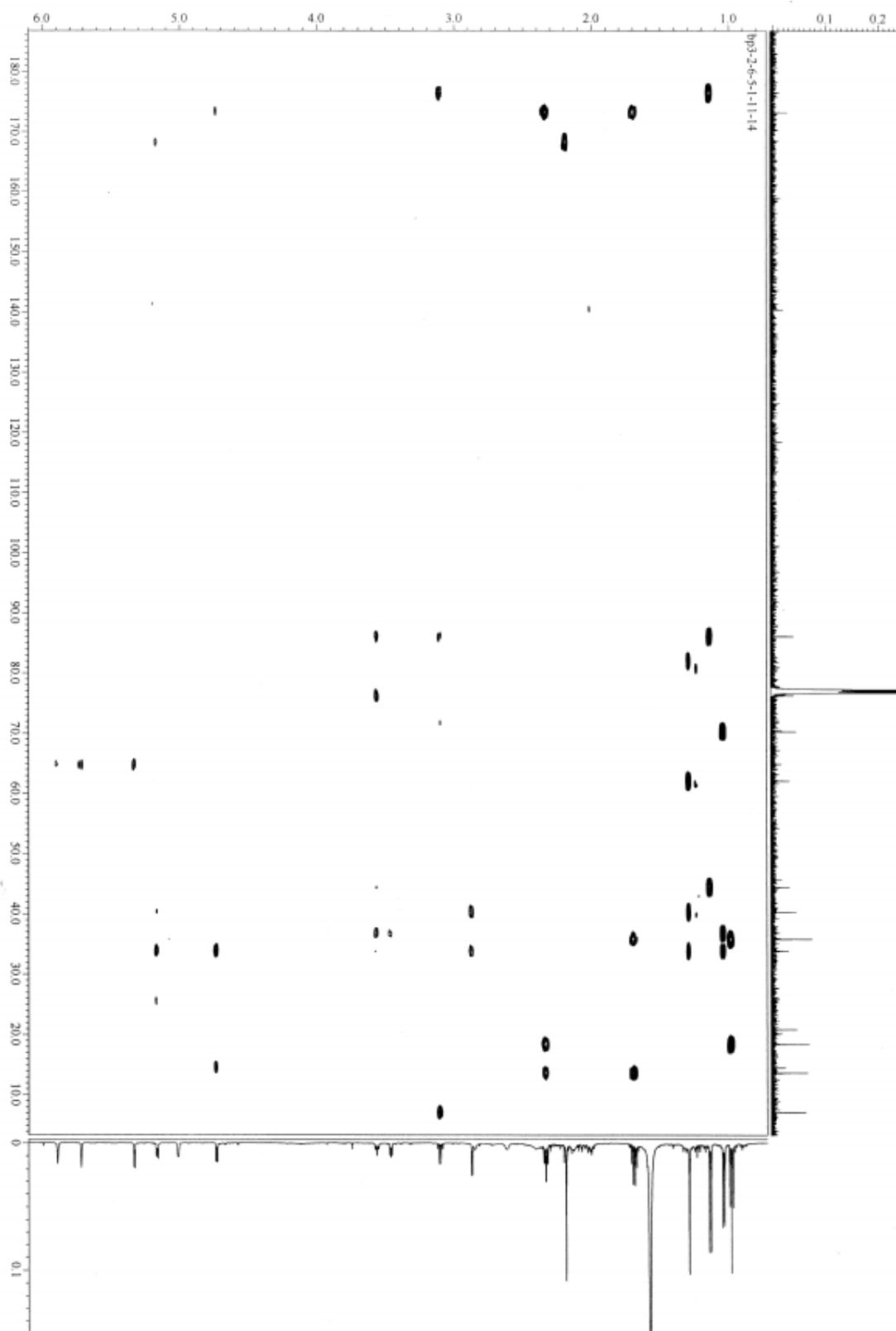
S17. Zoomed-in region of Figure S15 from 3.4-6.0 ppm



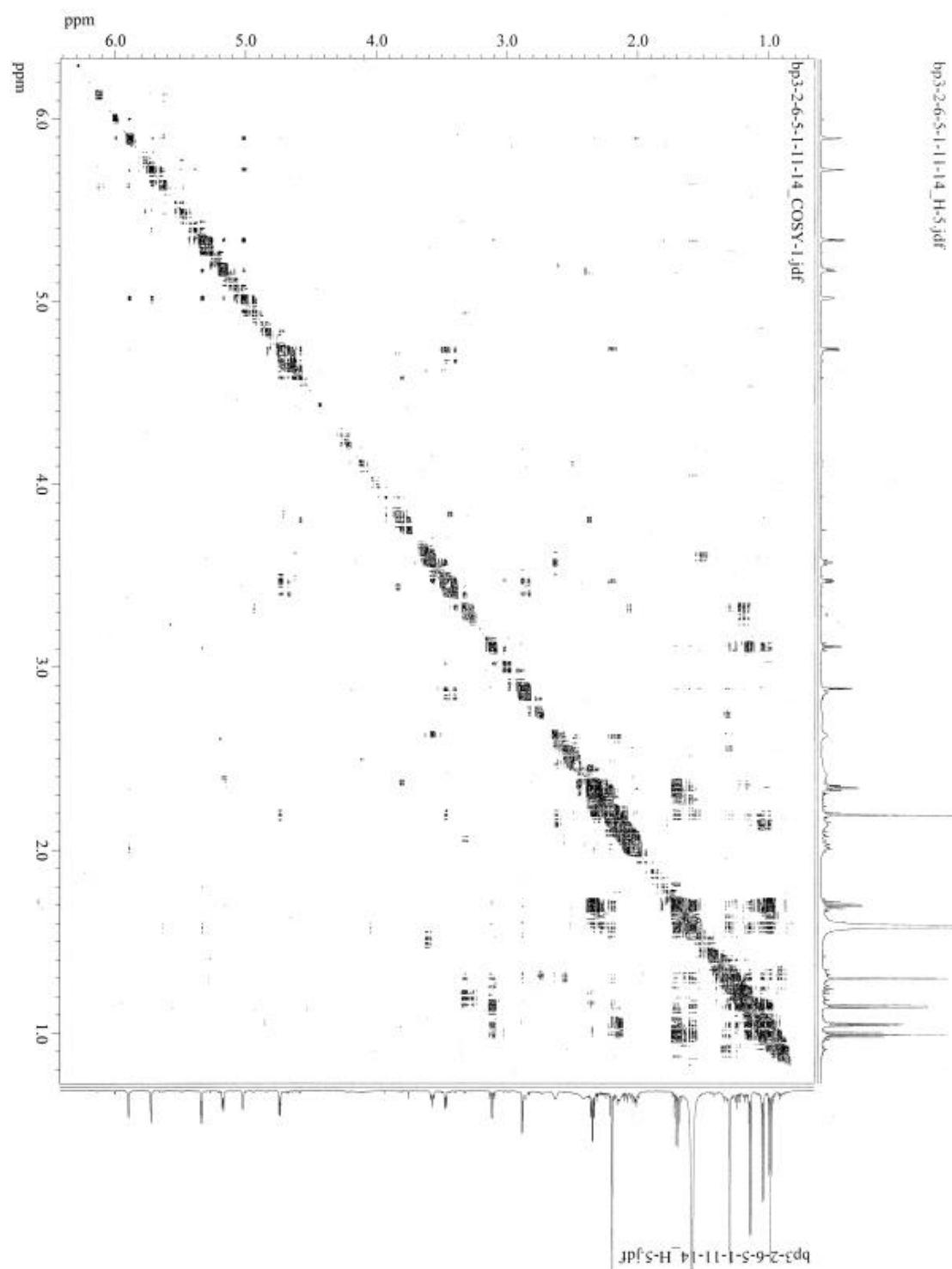
S18. ^{13}C NMR spectrum (150 MHz) of compound **2** in CDCl_3



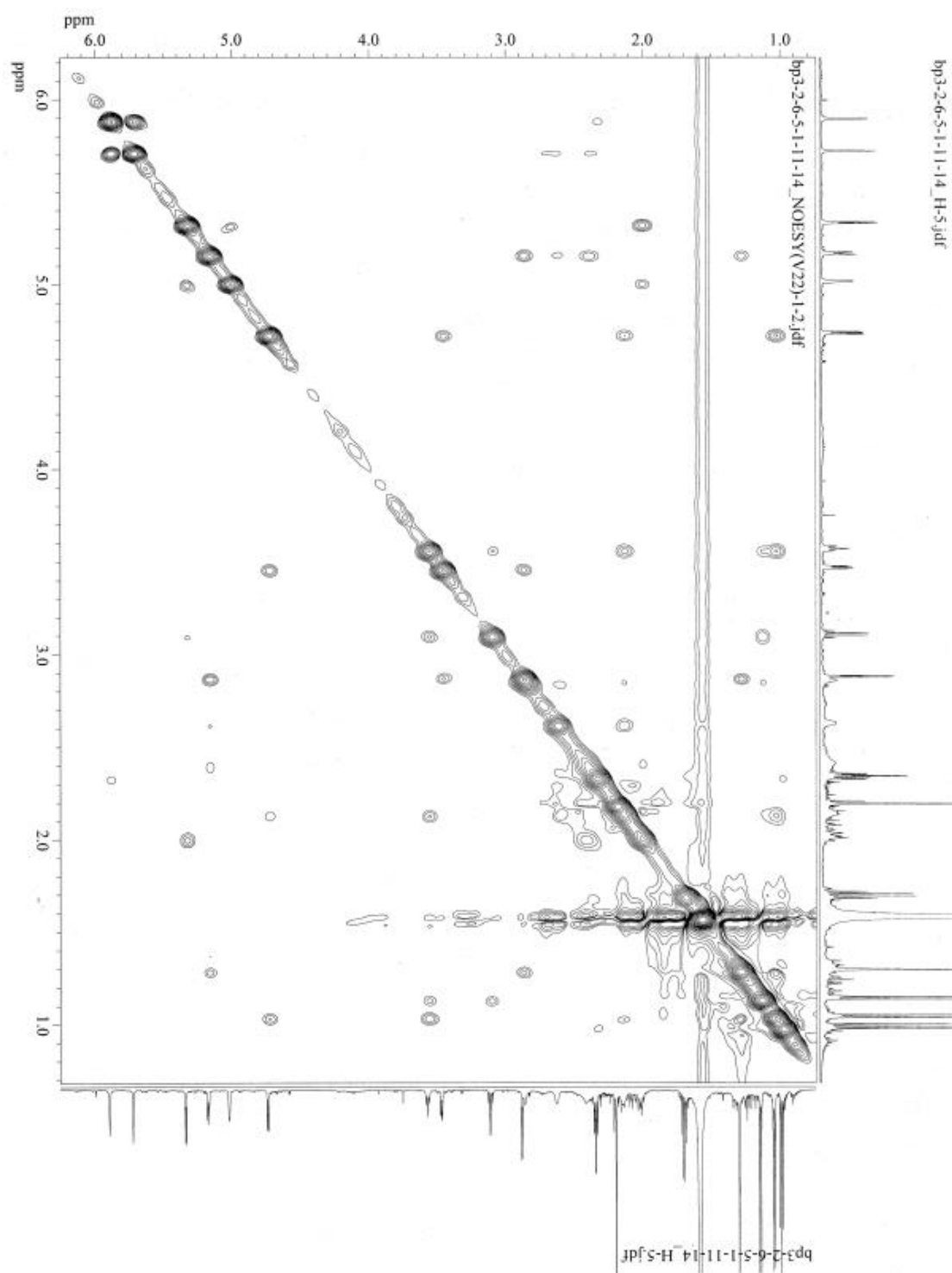
S19. HSQC spectrum of compound **2** in CDCl₃



S20. HMBC spectrum of compound **2** in CDCl₃



S21. ^1H - ^1H COSY spectrum of compound **2** in CDCl_3



S22. NOESY spectrum of compound **2** in CDCl₃

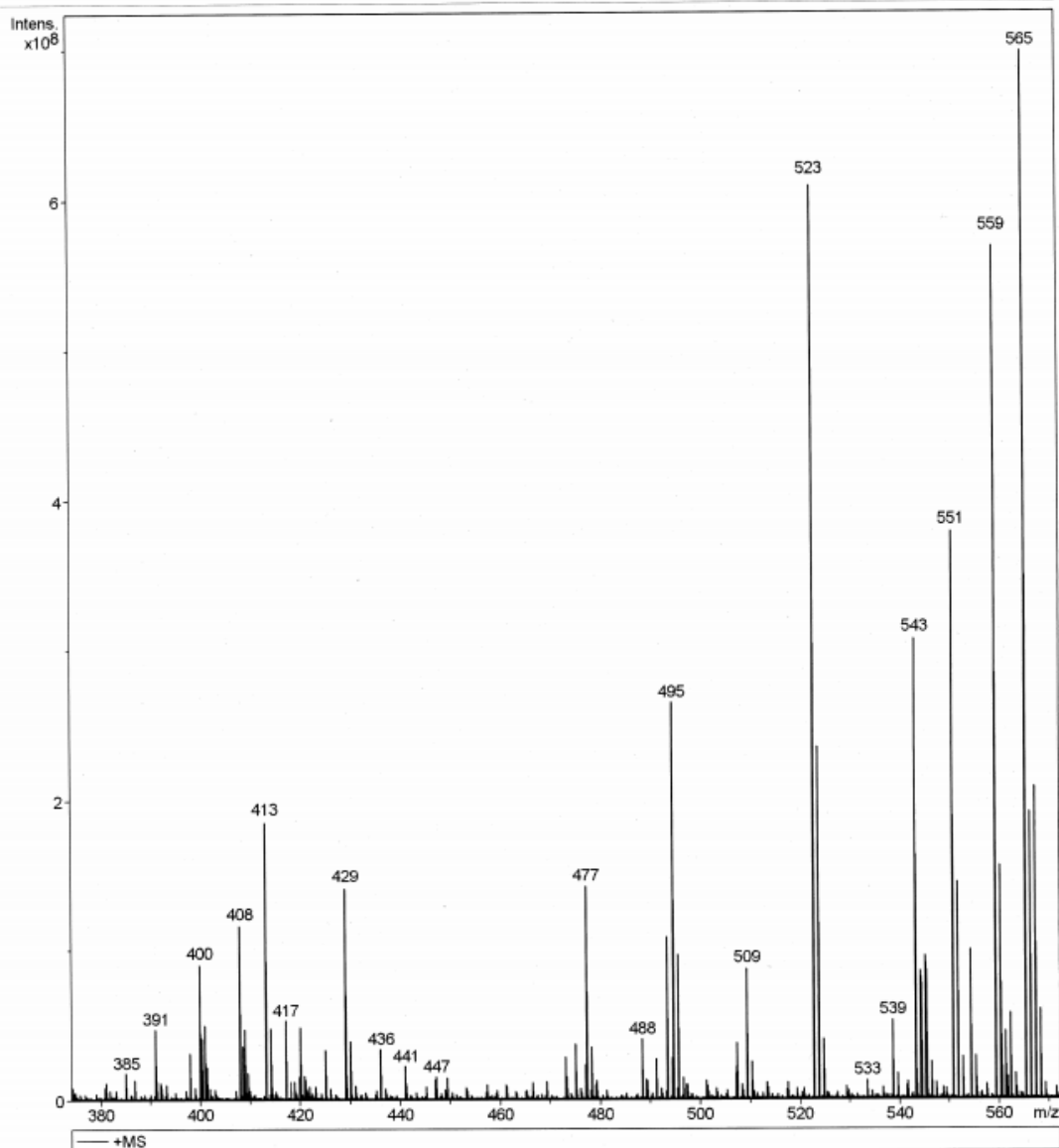
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8/20/2020 3:47:51 PM

Instrument: FT-MS solariX



Bruker Compass DataAnalysis 4.0

printed: 8/20/2020 3:47:51 PM

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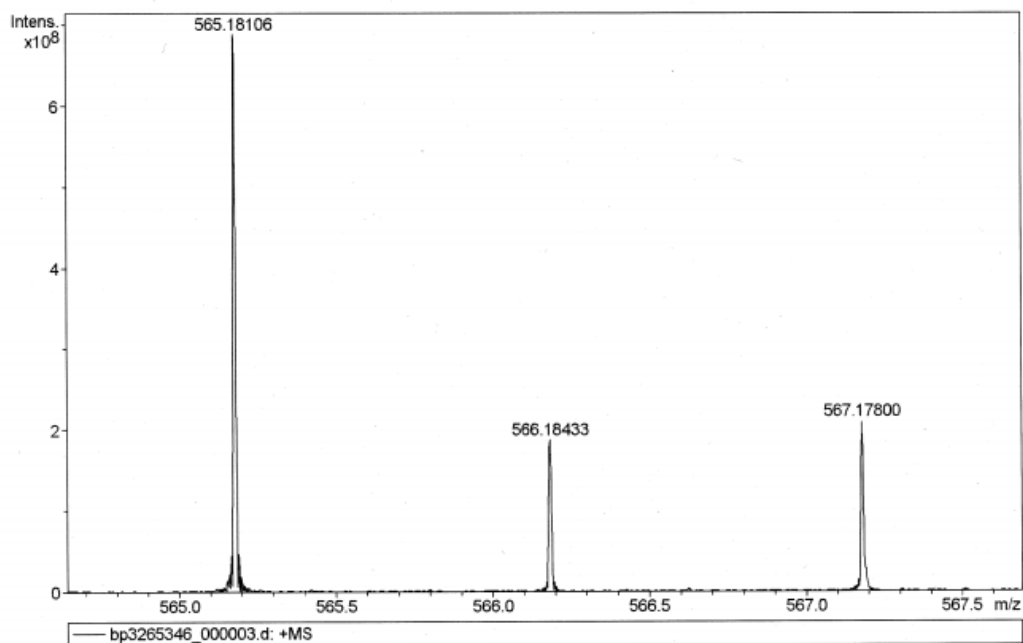
S23. ESIMS spectrum of compound 3

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Analysis Info

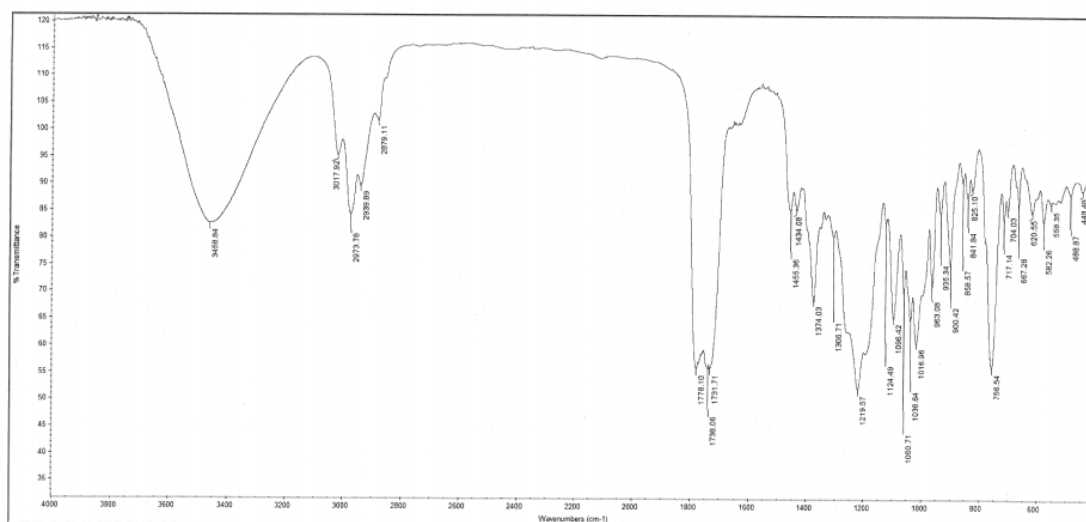
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 Instrument: BRUKER FT-MS solariX

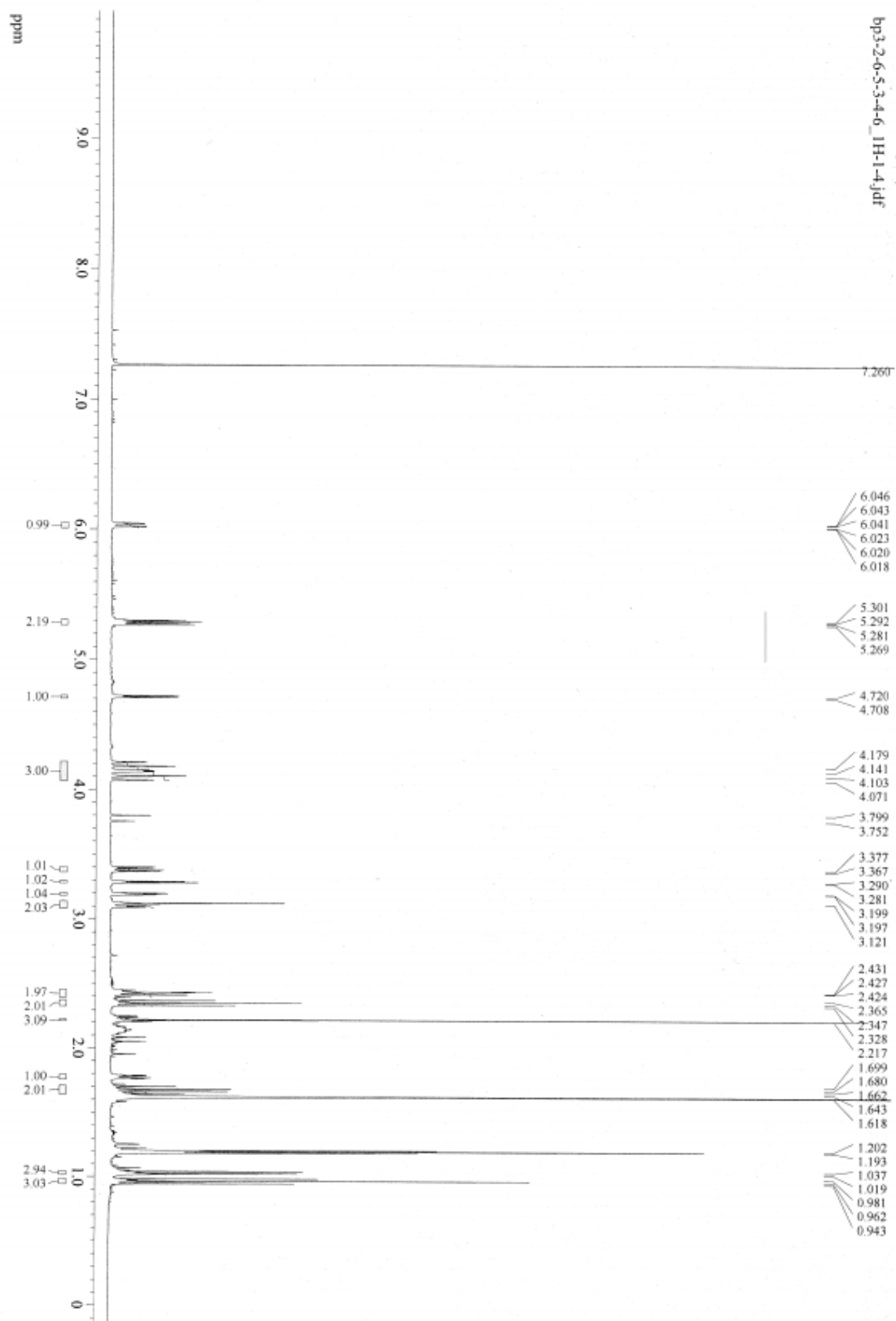


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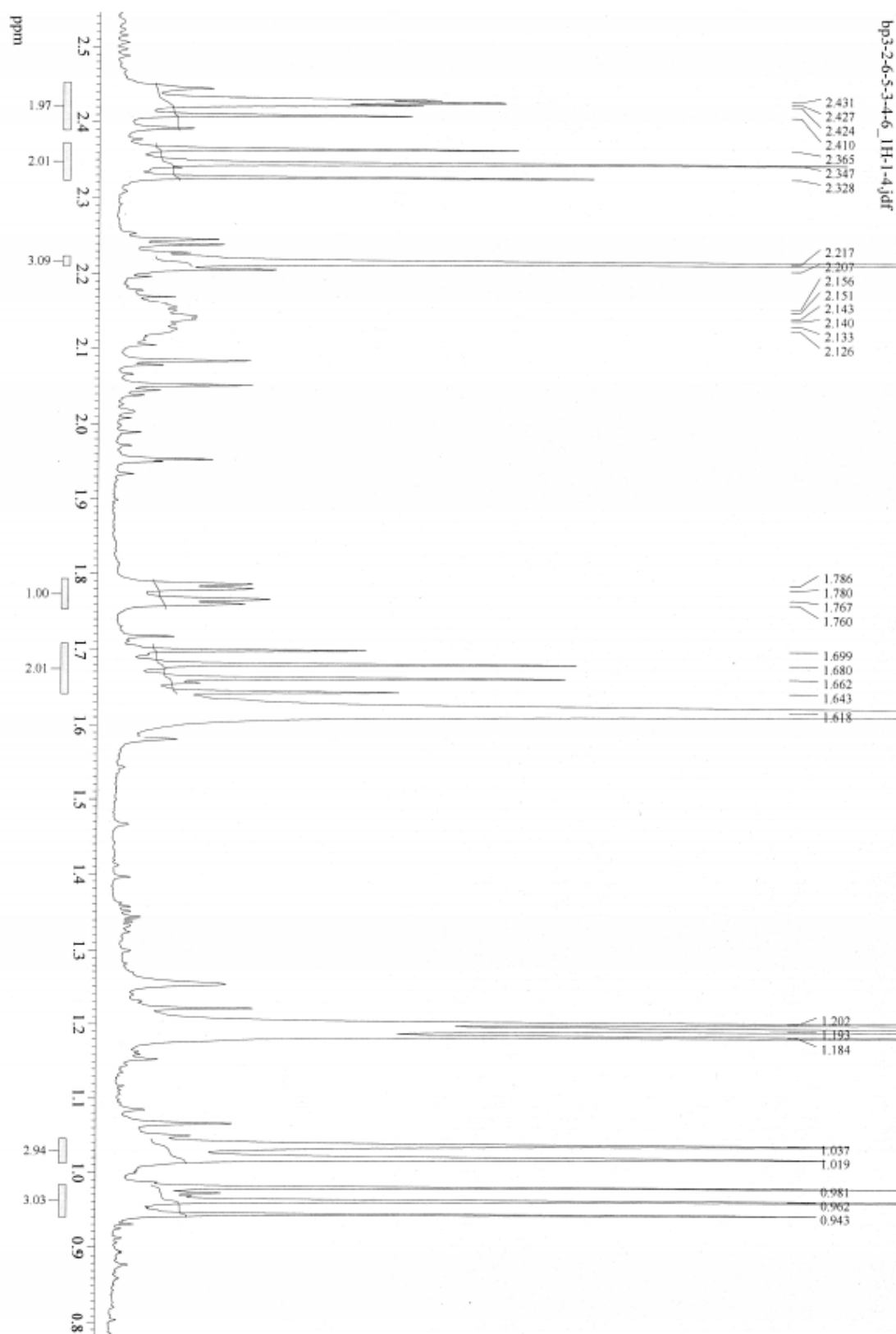
S24. HRESIMS spectrum of compound **3**



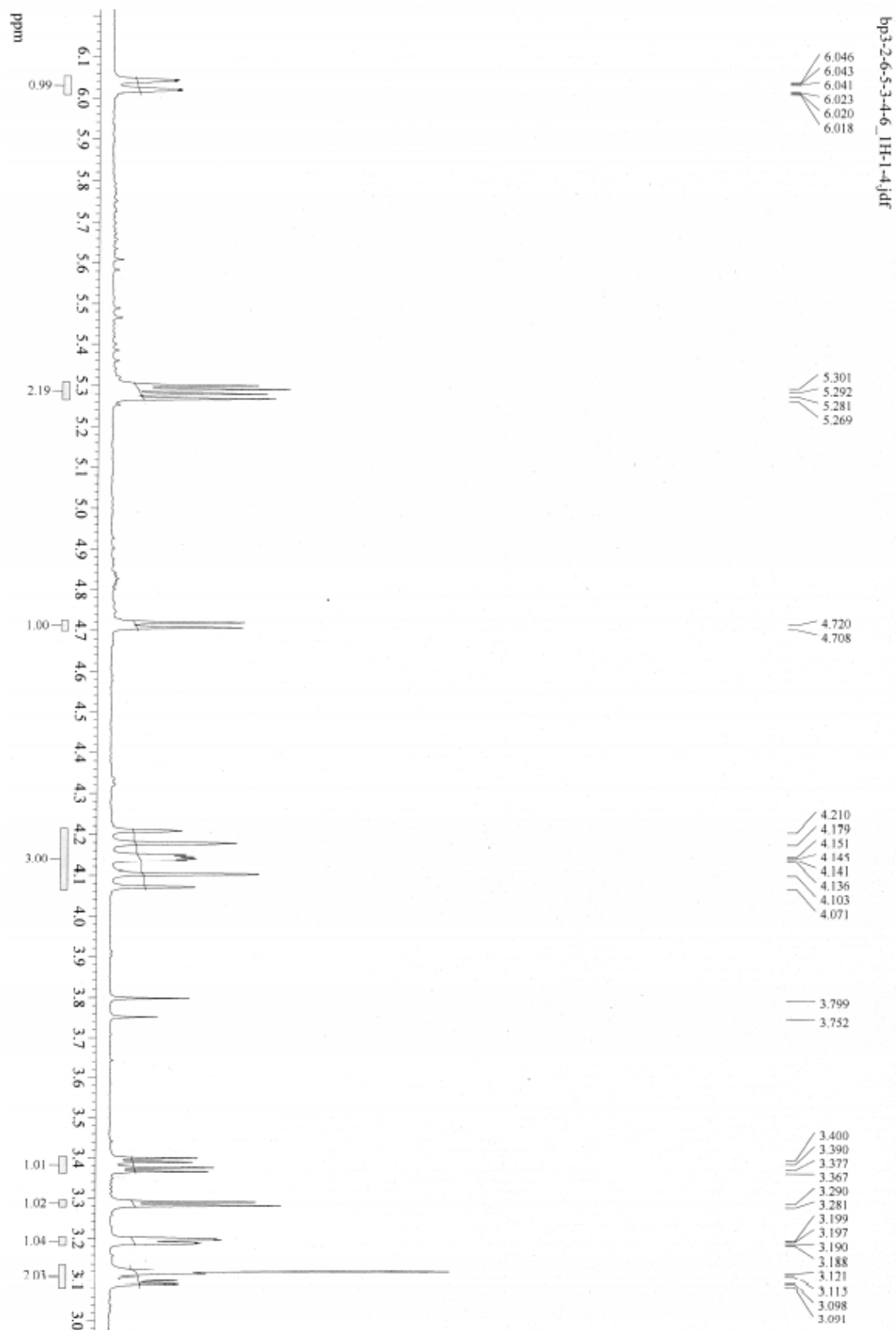
S25. IR spectrum of compound **3**



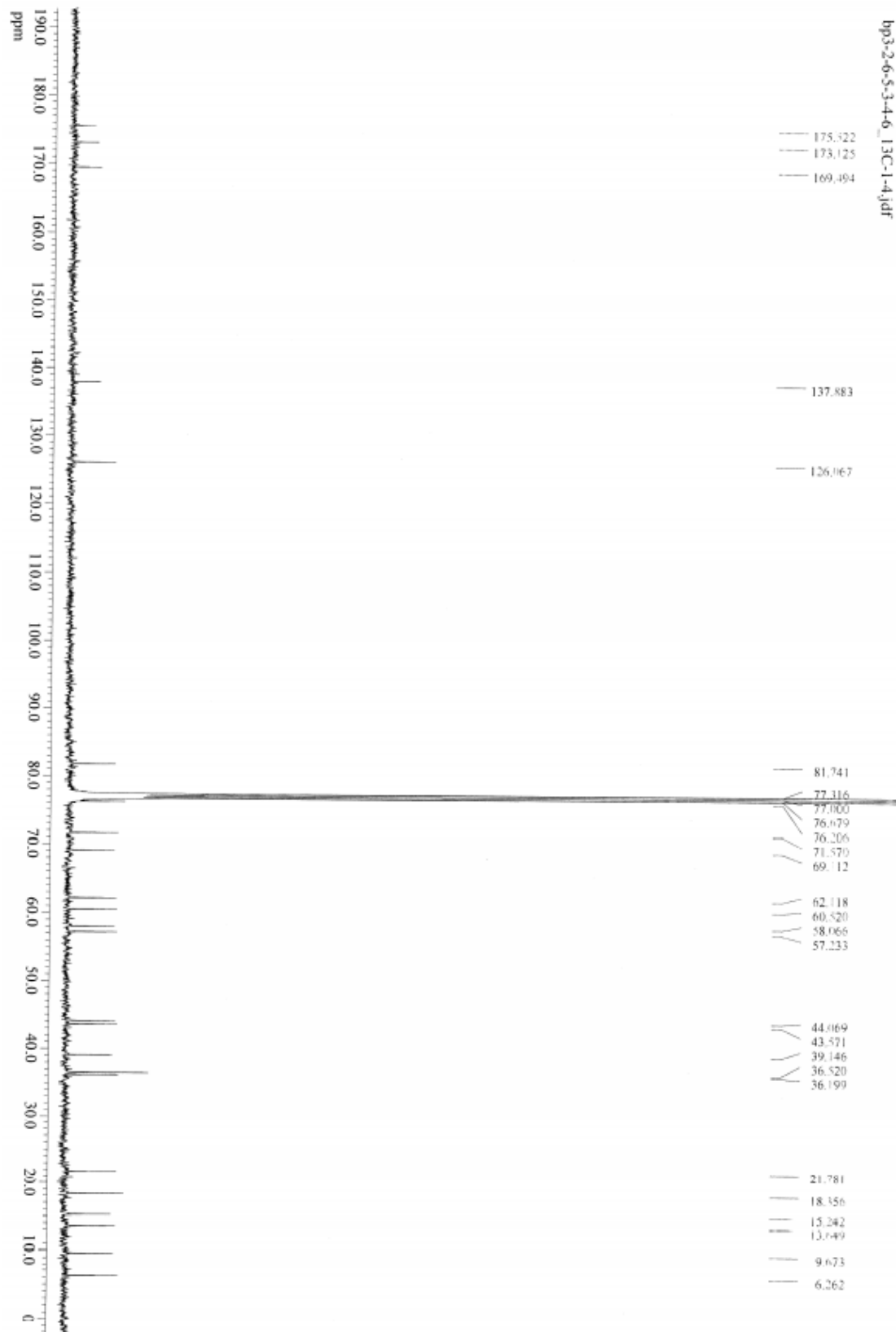
S26. ^1H NMR spectrum (600 MHz) of compound **3** in CDCl_3



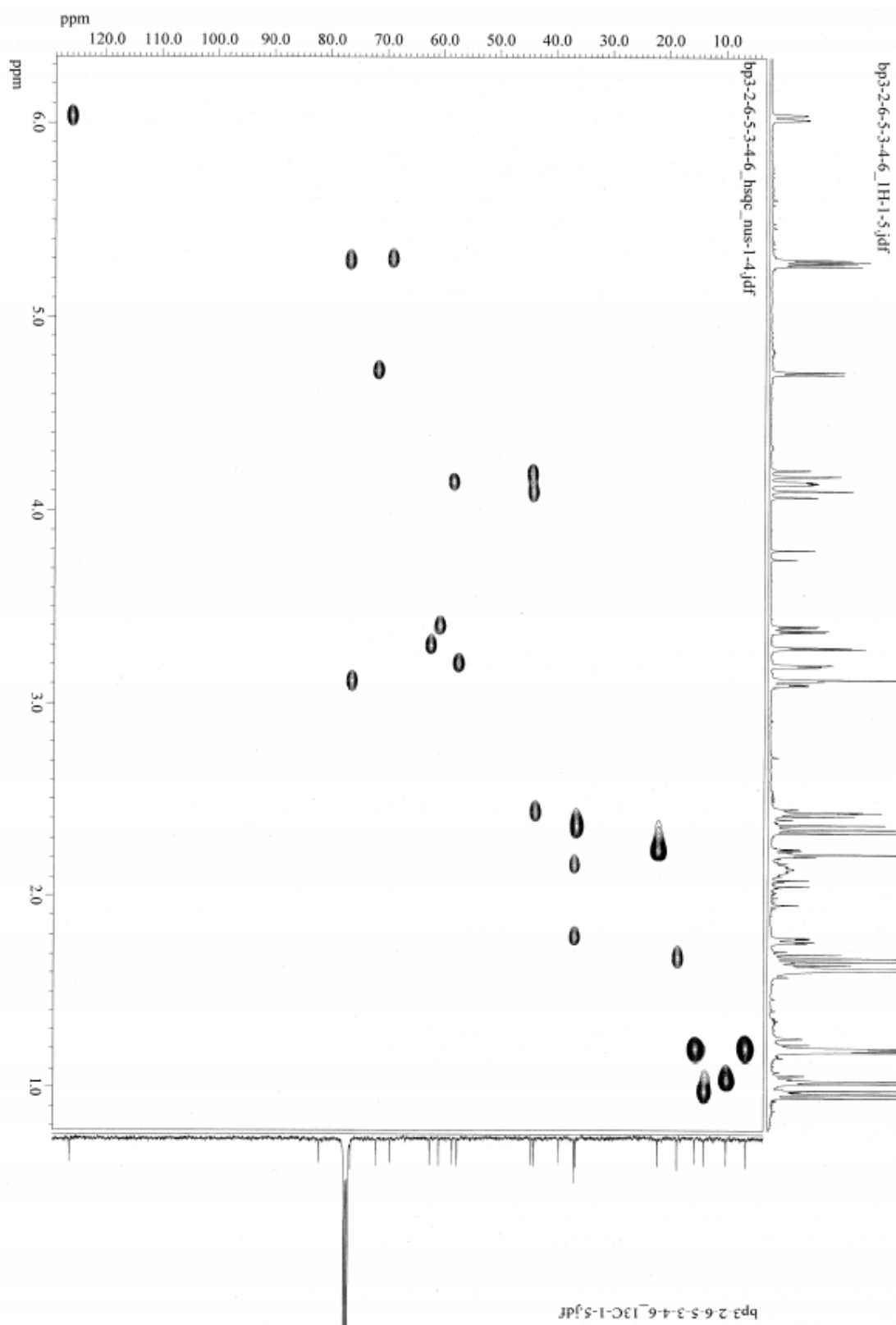
S27. Zoomed-in region of Figure S26 from 0.8-2.5 ppm



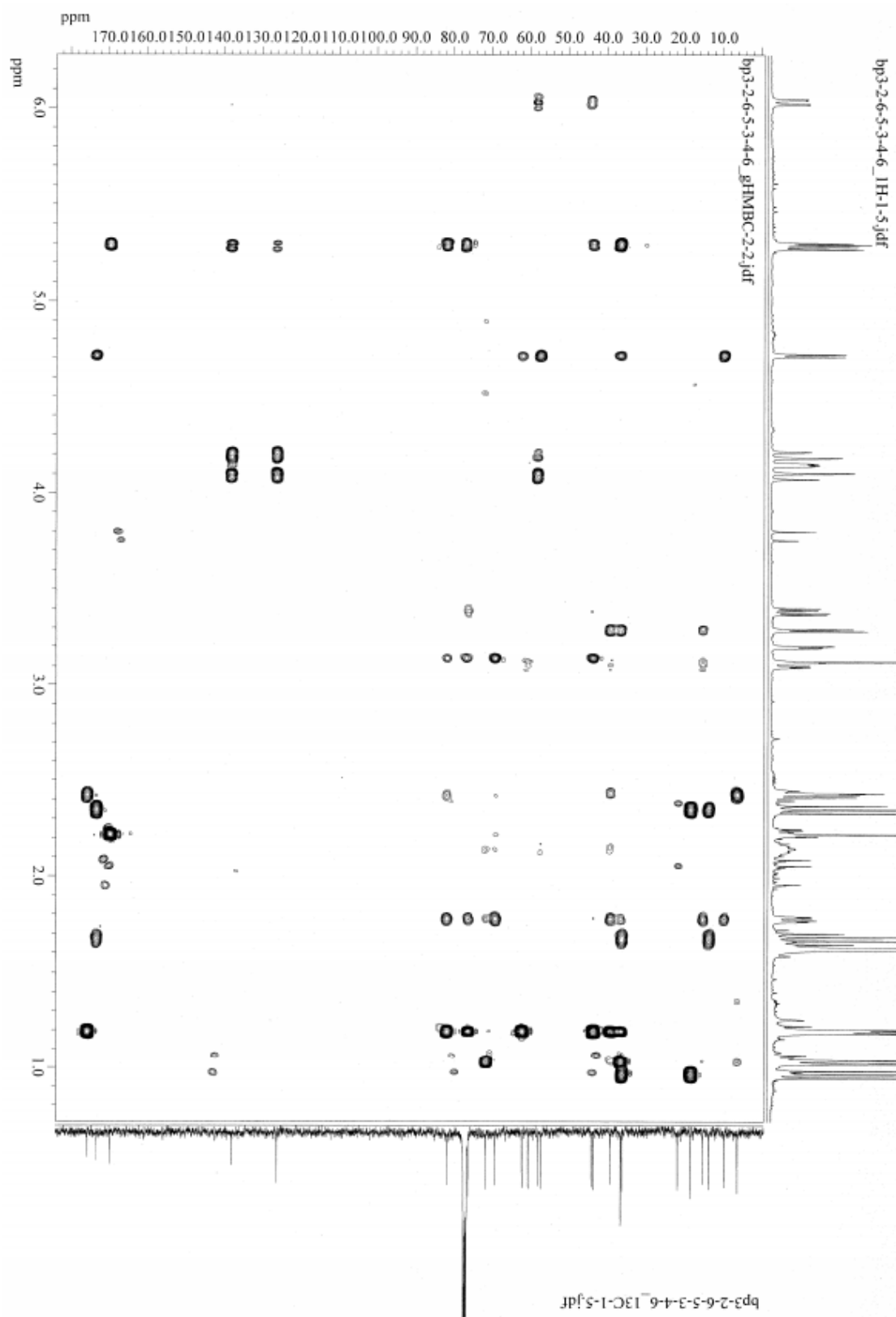
S28. Zoomed-in region of Figure S26 from 3.0-6.1 ppm



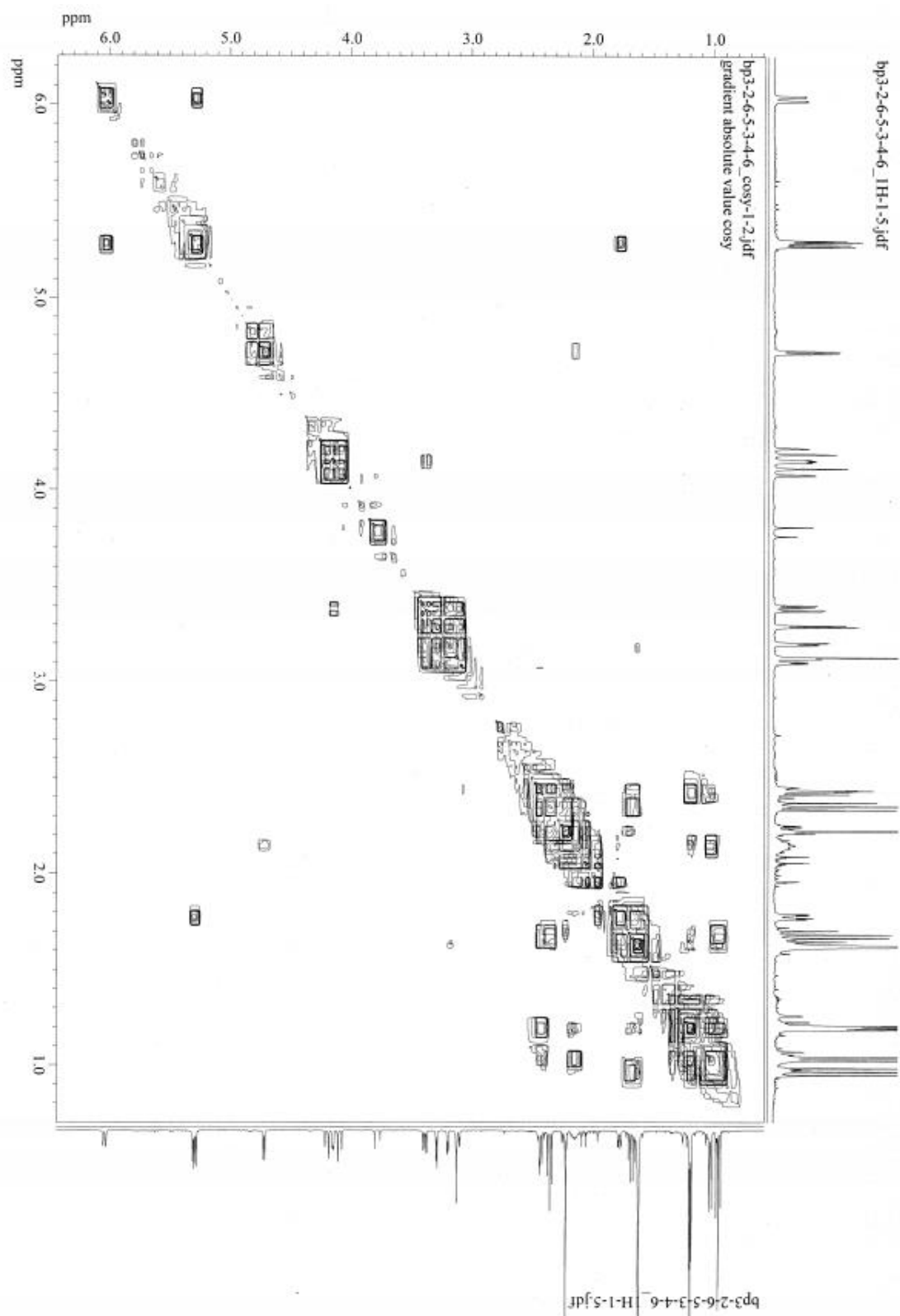
S29. ^{13}C NMR spectrum (150 MHz) of compound **3** in CDCl_3



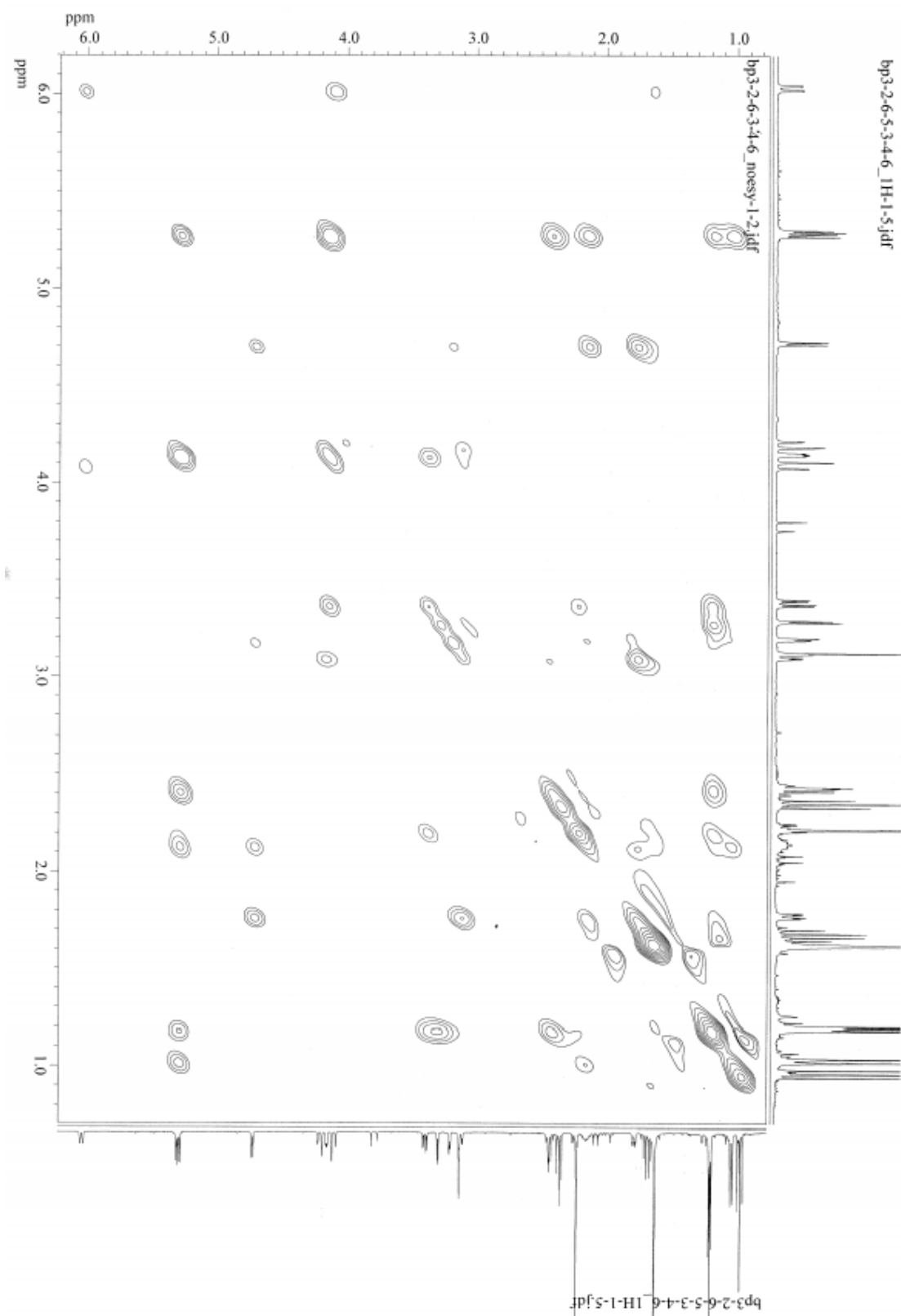
S30. HSQC spectrum of compound **3** in CDCl₃



S31. HMBC spectrum of compound **3** in CDCl₃



S32. ^1H - ^1H COSY spectrum of compound **3** in CDCl_3



S33. NOESY spectrum of compound **3** in CDCl₃

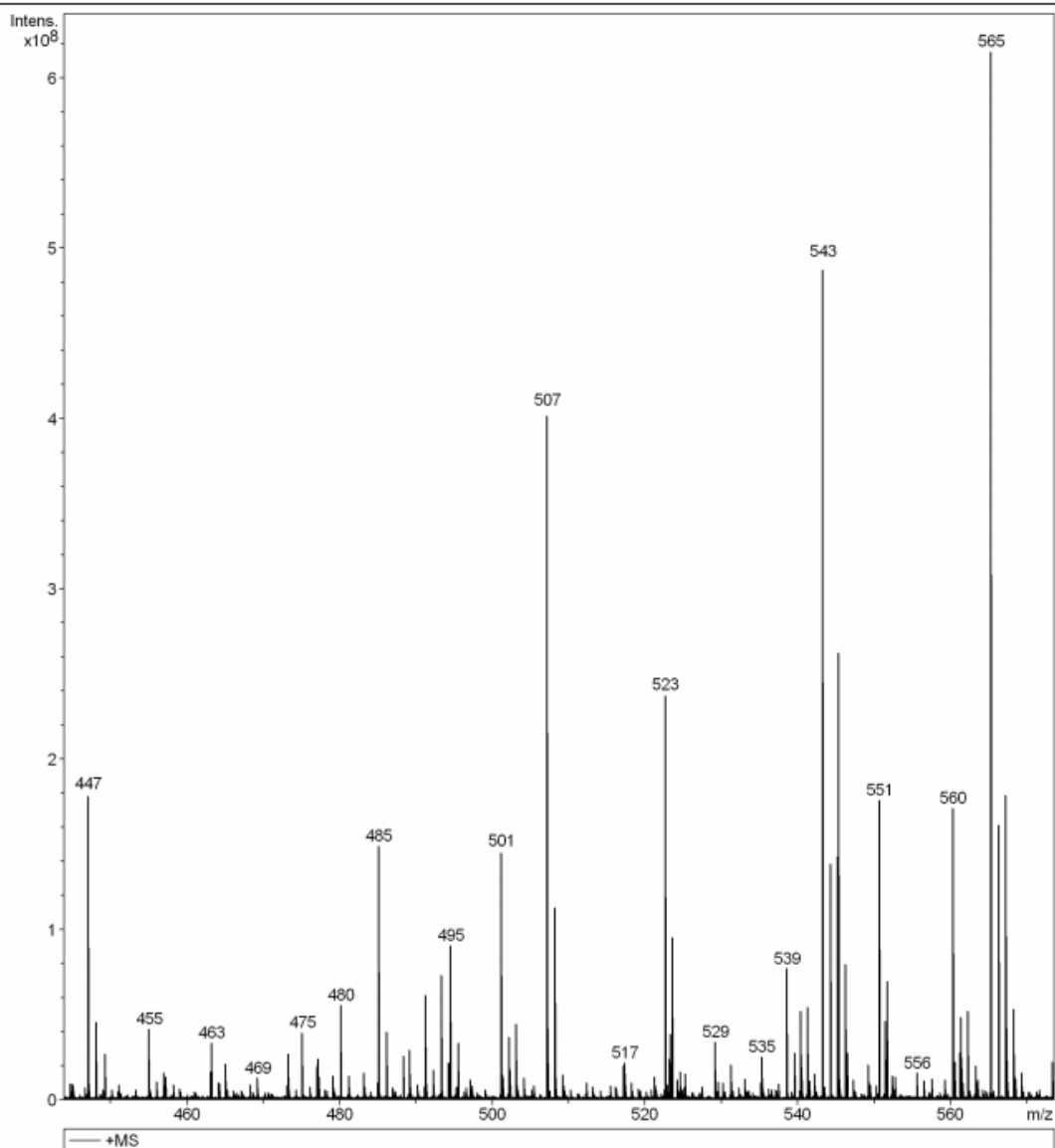
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Analysis Info

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10/15/2020 3:05:05 PM

Instrument: FT-MS solarix



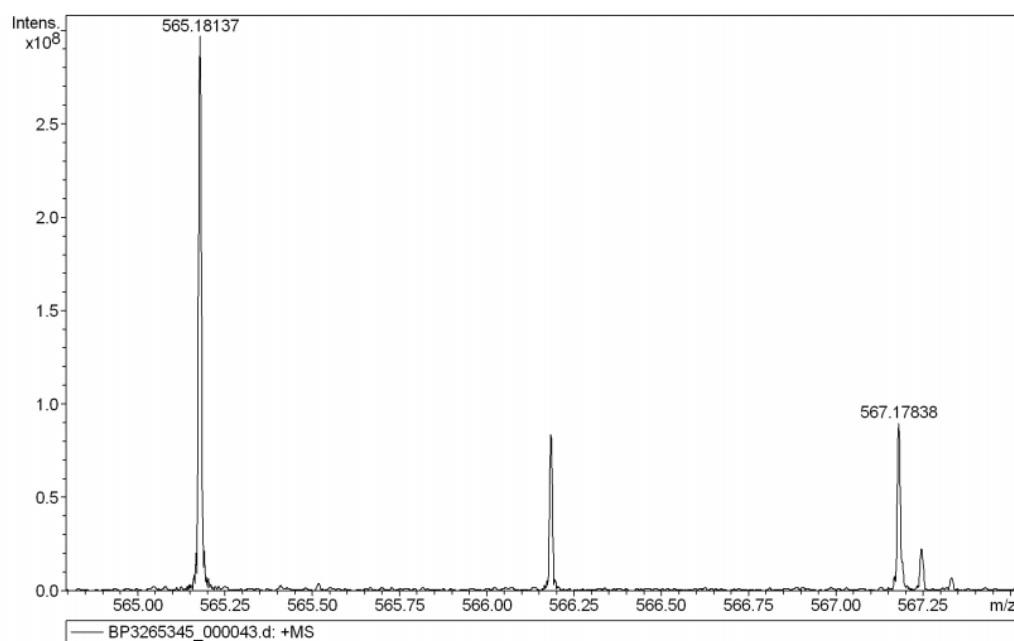
S34. ESIMS spectrum of compound 4

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Analysis Info

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10/15/2020 3:03:51 PM
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Instrument: BRUKER FT-MS solariX

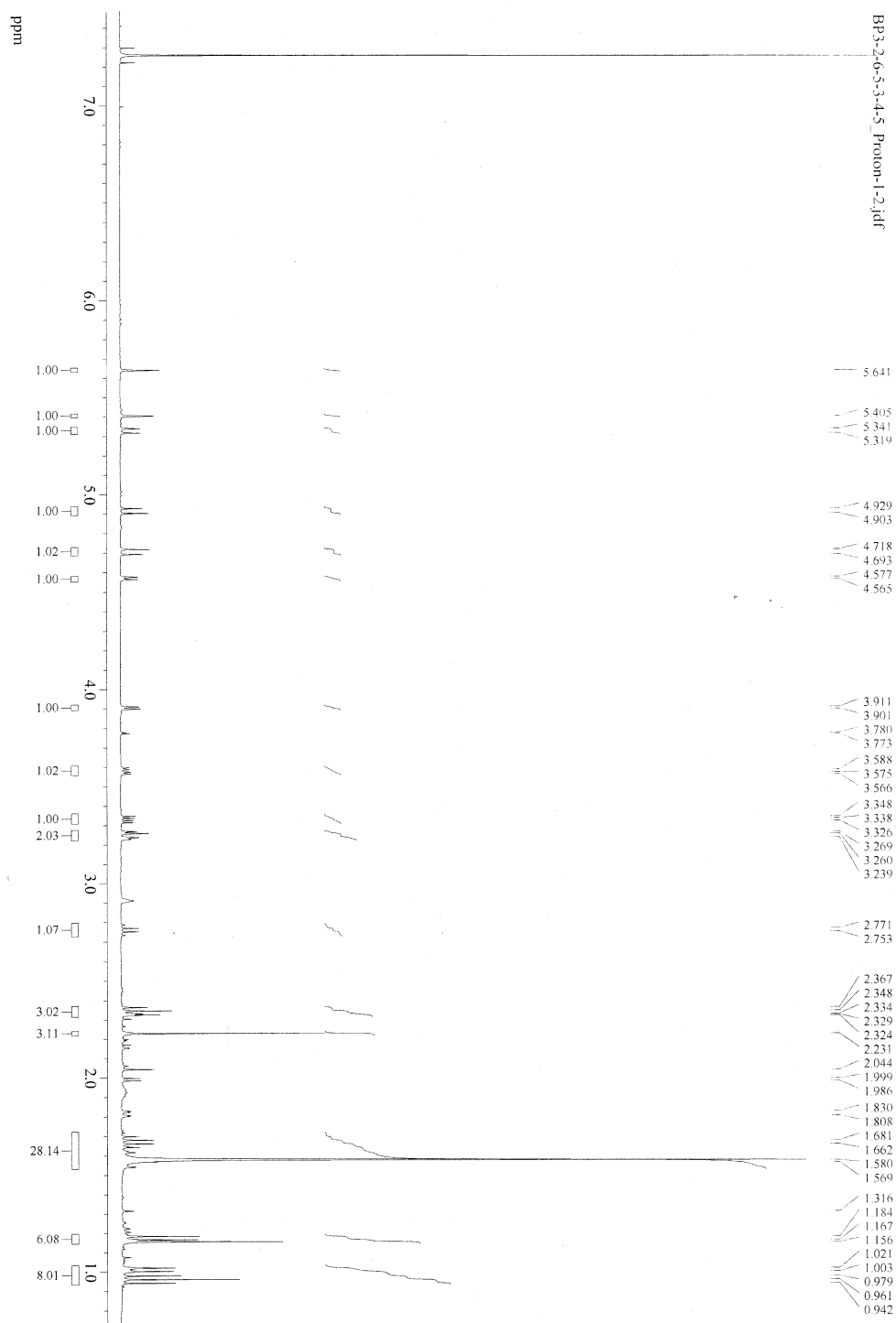


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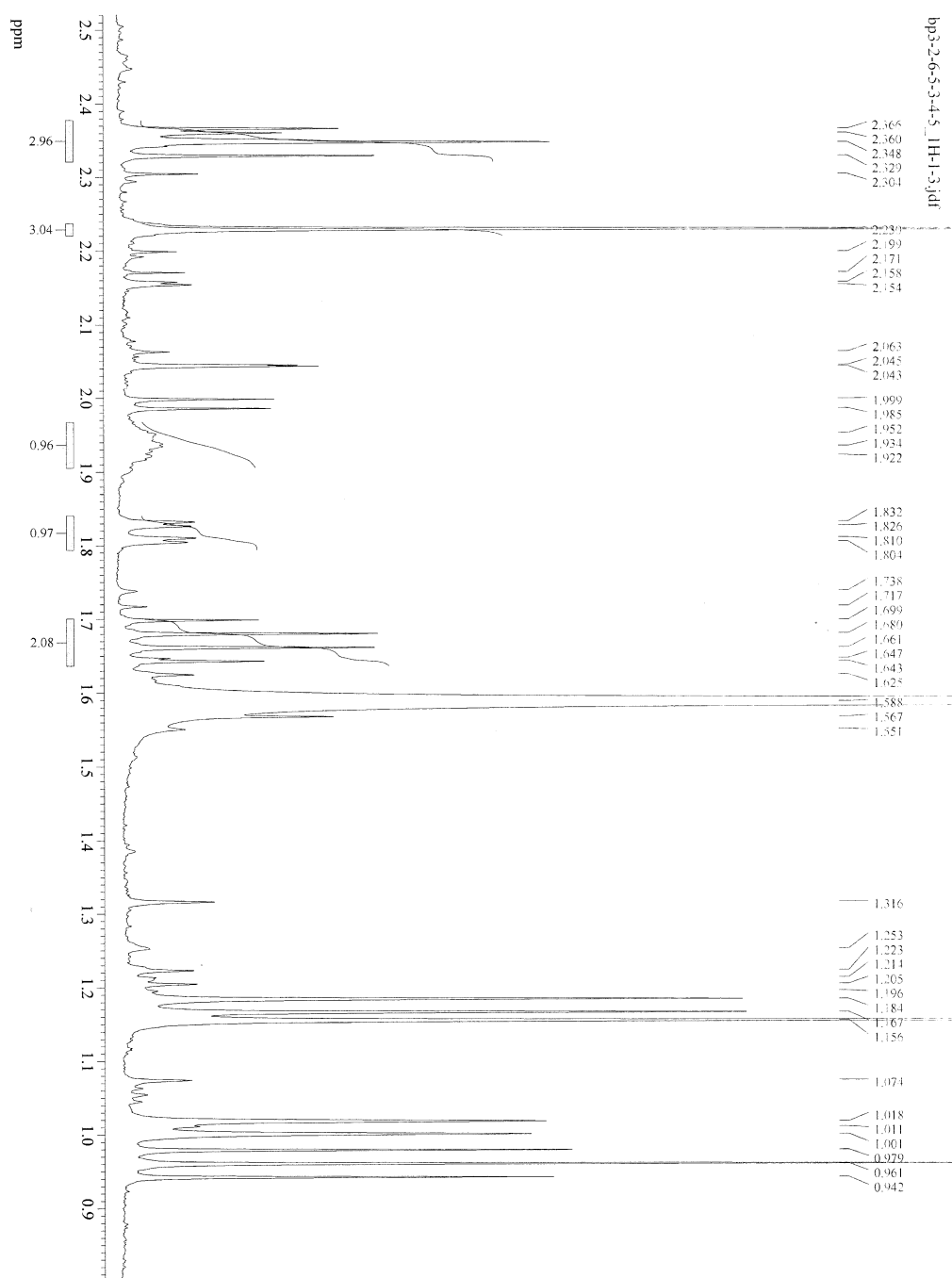
S35. HRESIMS spectrum of compound 4



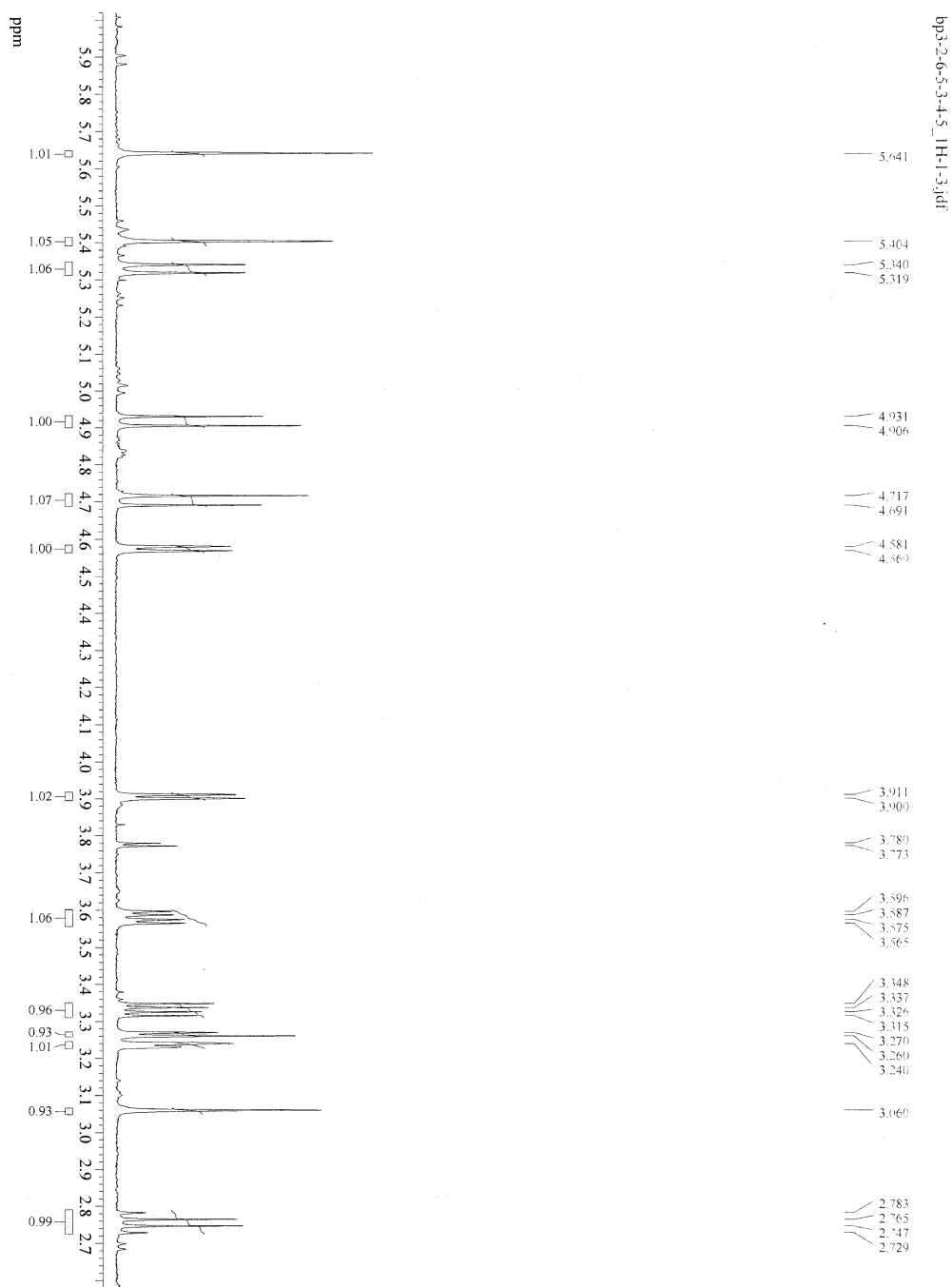
S36. IR spectrum of compound 4



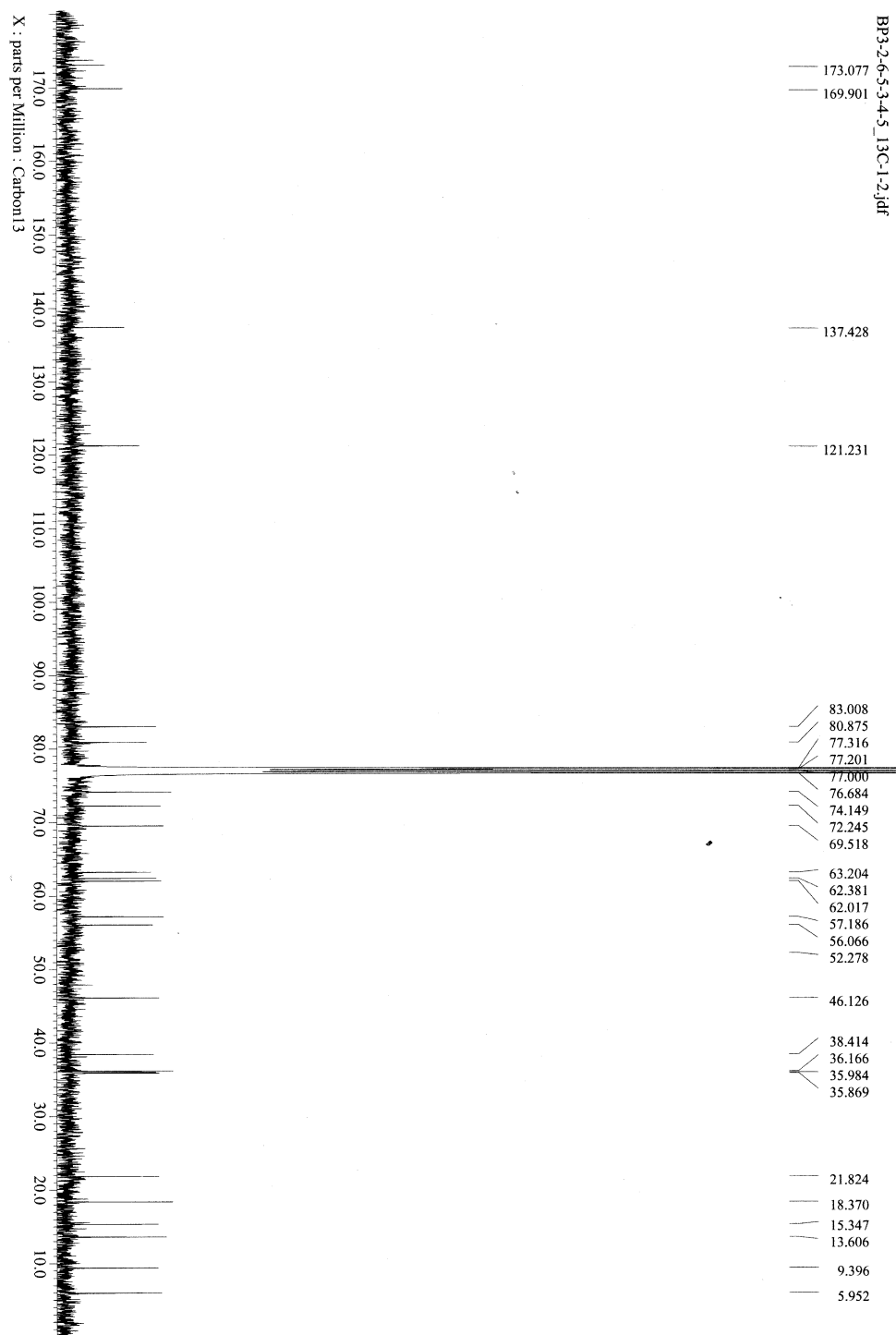
S37. ^1H NMR spectrum (600 MHz) of compound **4** in CDCl_3



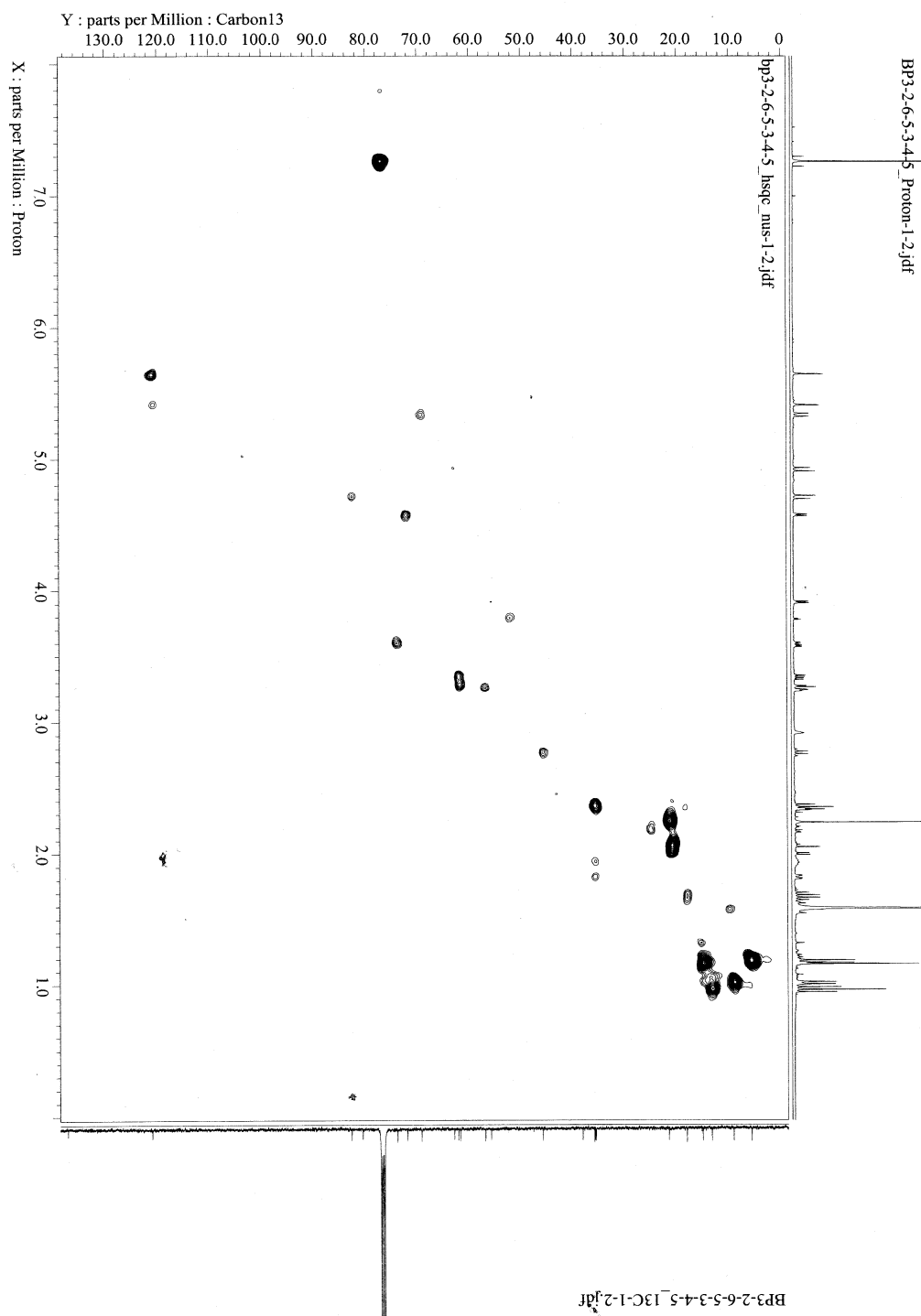
S38. Zoomed-in region of Figure S37 from 0.9-2.5 ppm



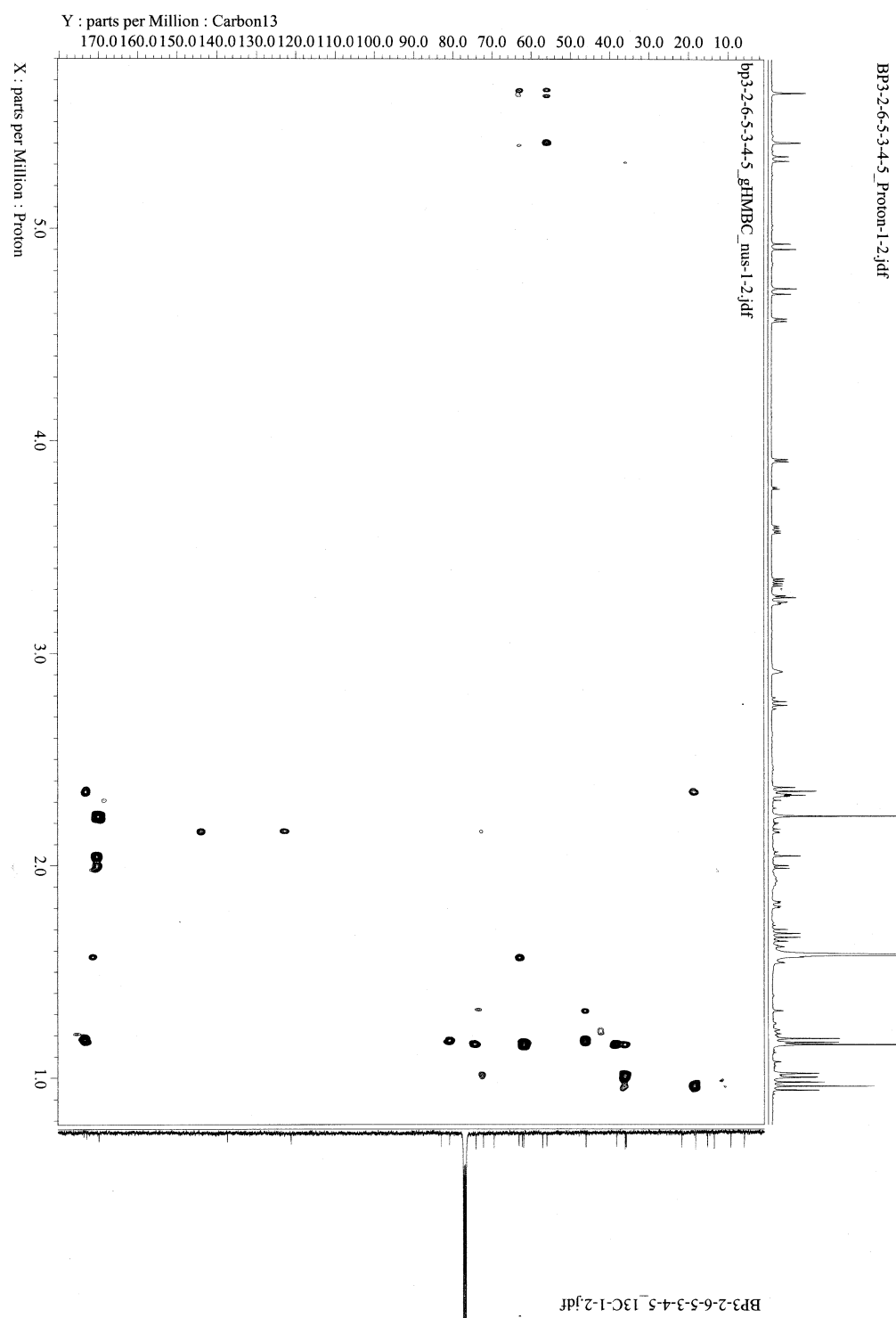
S39. Zoomed-in region of Figure S37 from 2.7-5.9 ppm



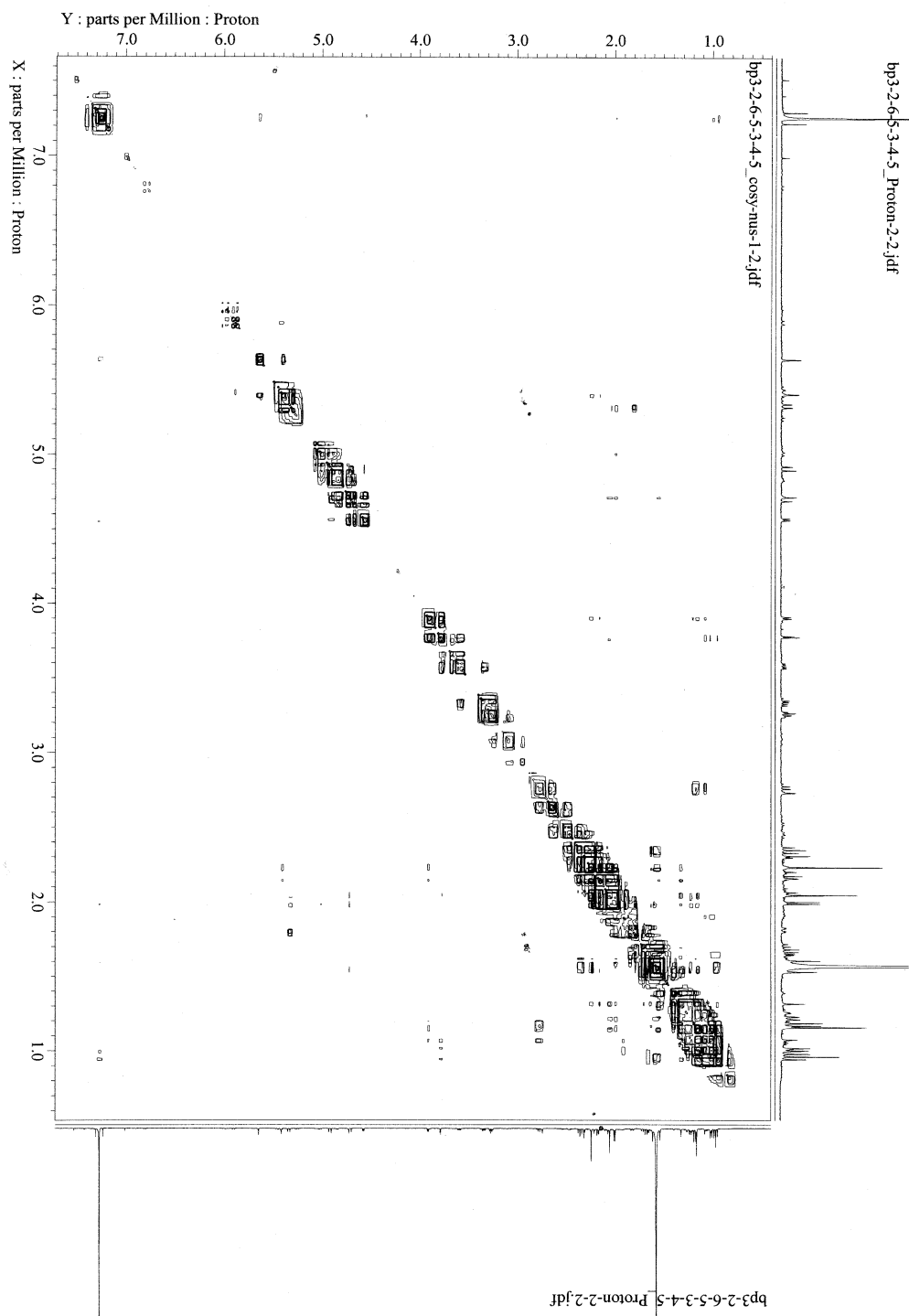
S40. ^{13}C NMR spectrum (150 MHz) of compound **4** in CDCl_3



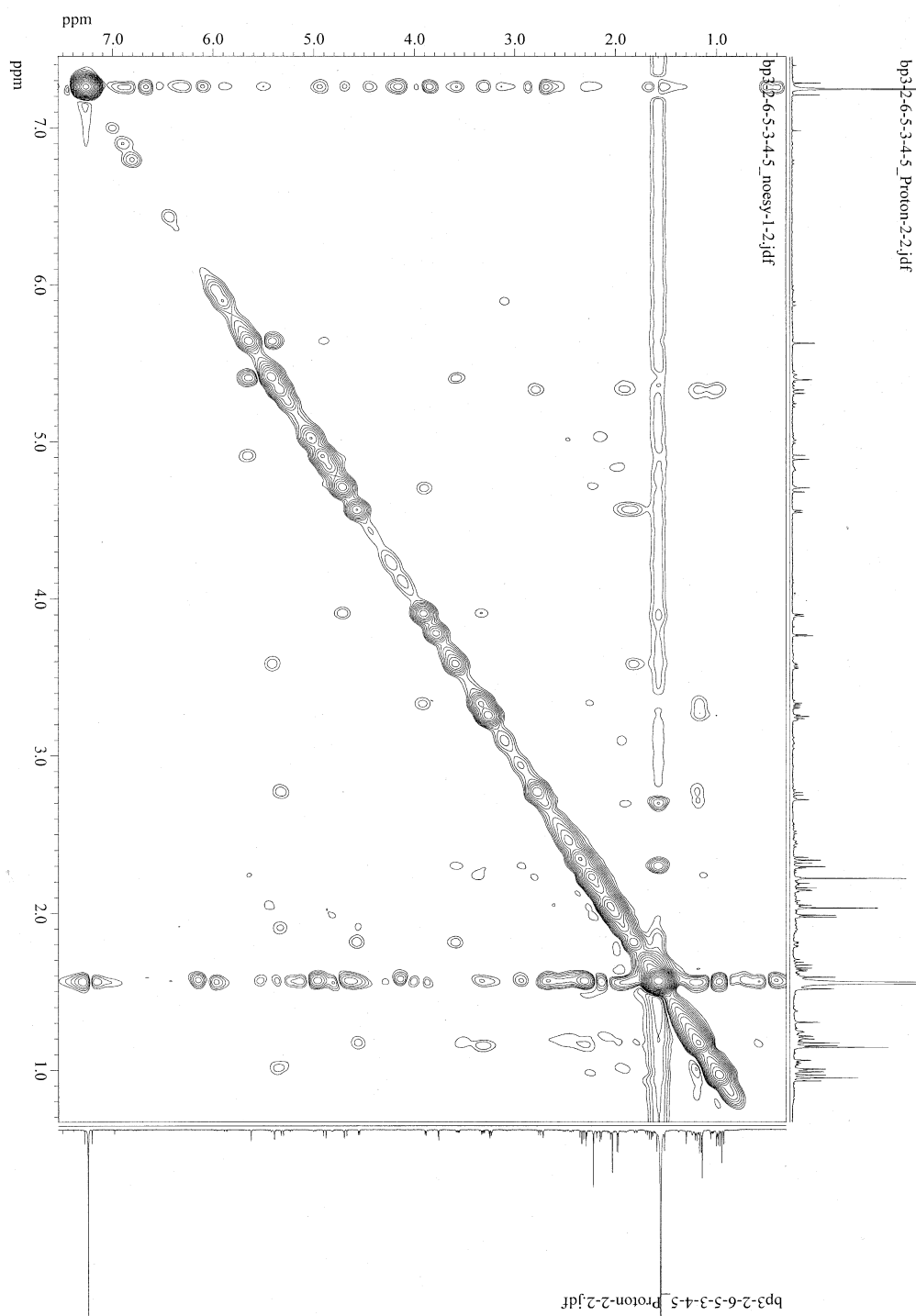
S41. HSQC spectrum of compound **4** in CDCl₃



S42. HMBC spectrum of compound **4** in CDCl₃



S43. ^1H - ^1H COSY spectrum of compound **4** in CDCl_3



S44. NOESY spectrum of compound **4** in CDCl₃