

**Synthesis of Reblastatin, Autolytimycin, Non-Benzoquinone Analogs:
Potent Inhibitors of Heat Shock Protein 90 (Hsp90)**

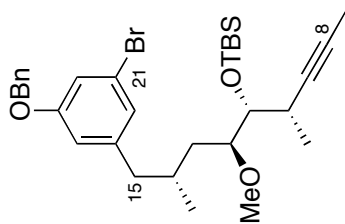
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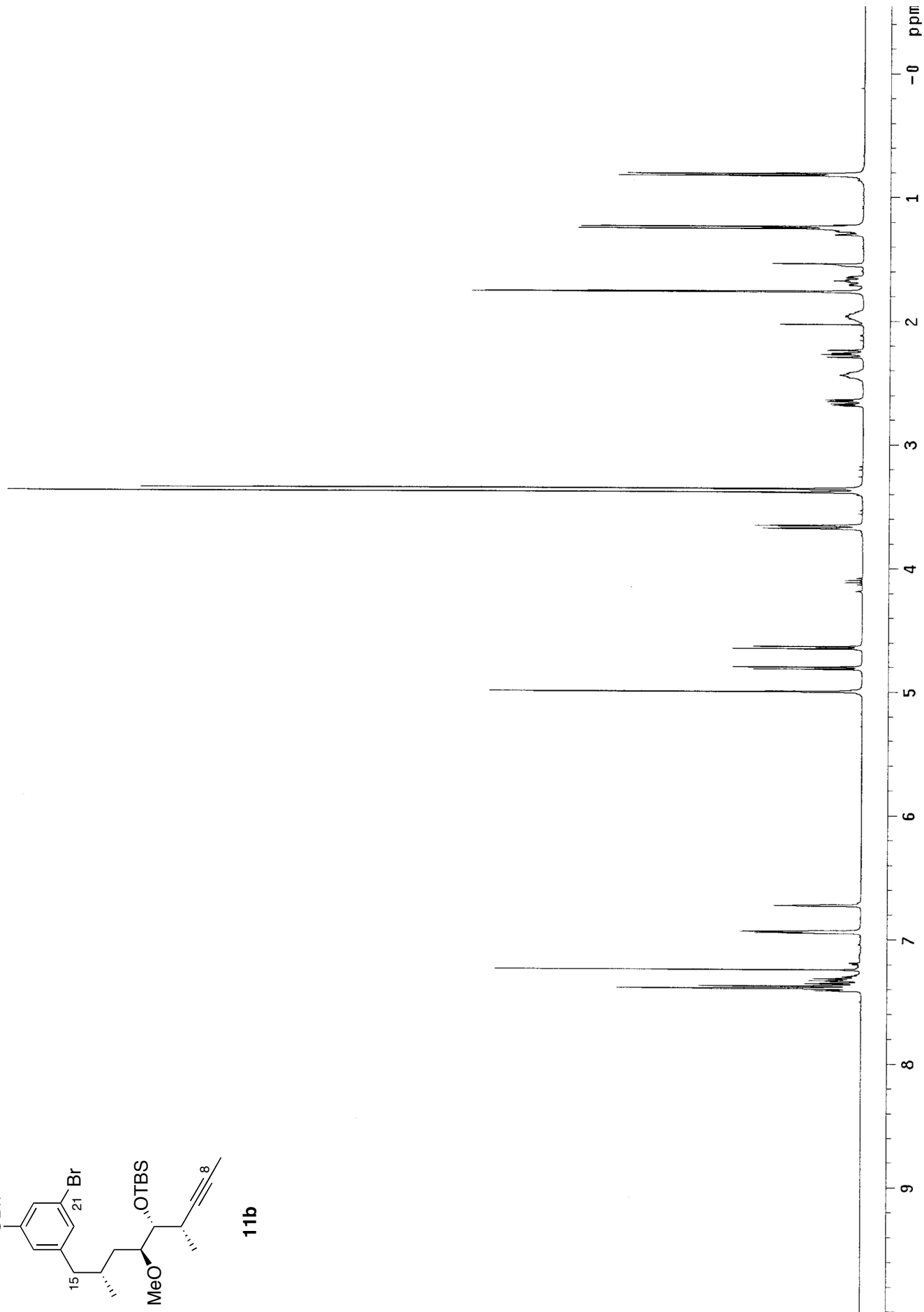
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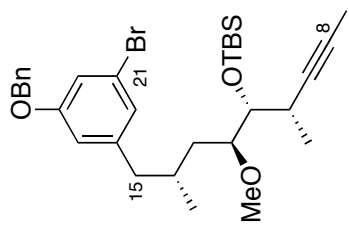
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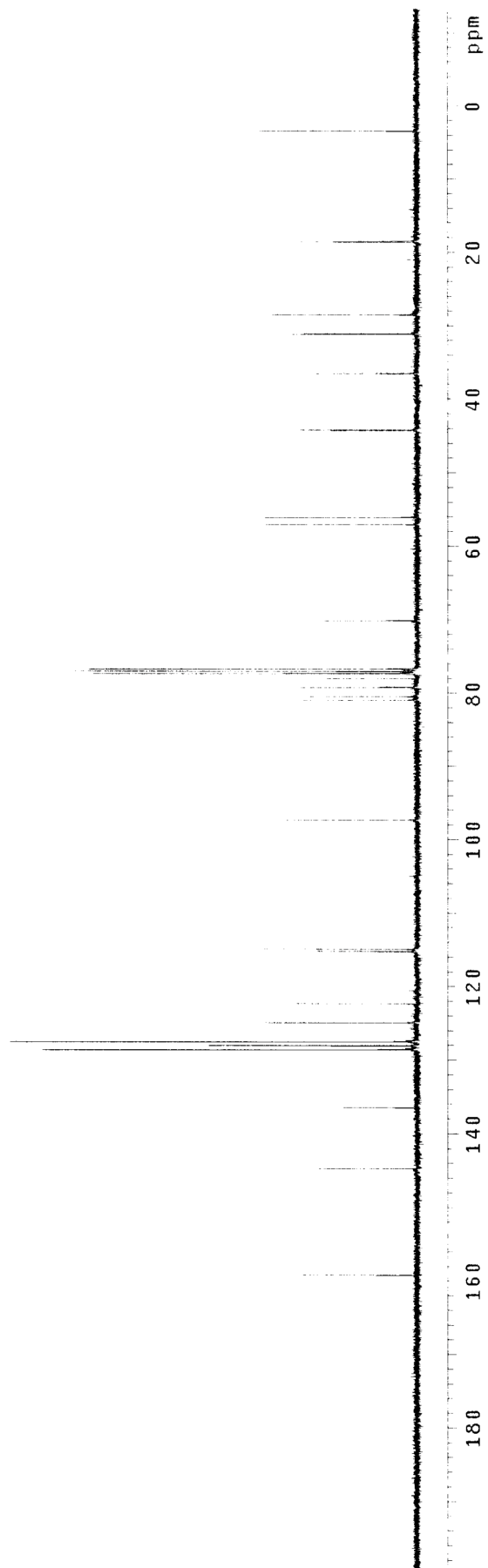


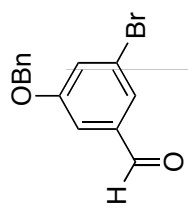
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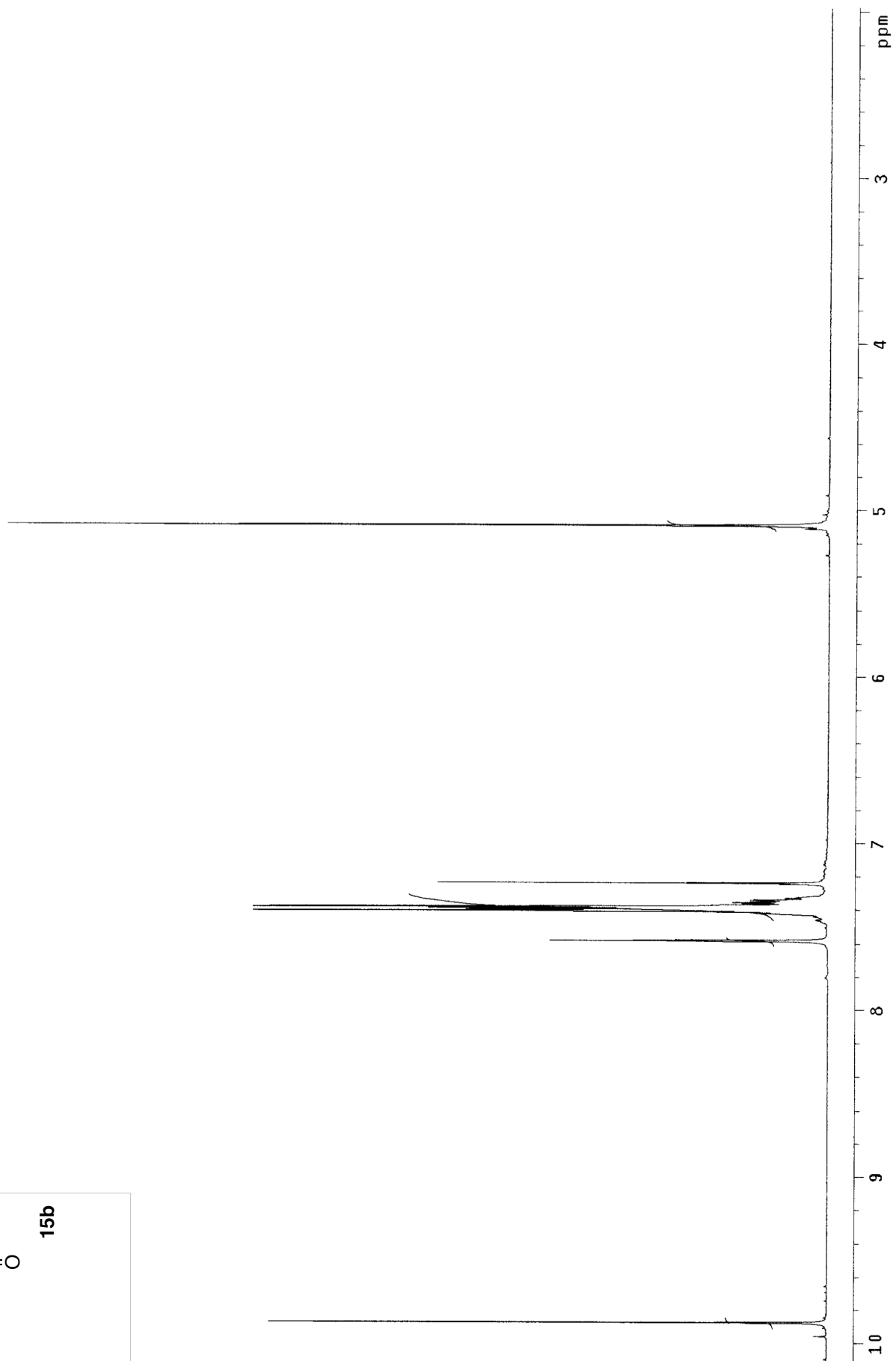


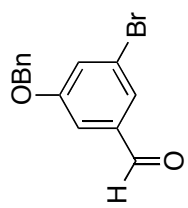
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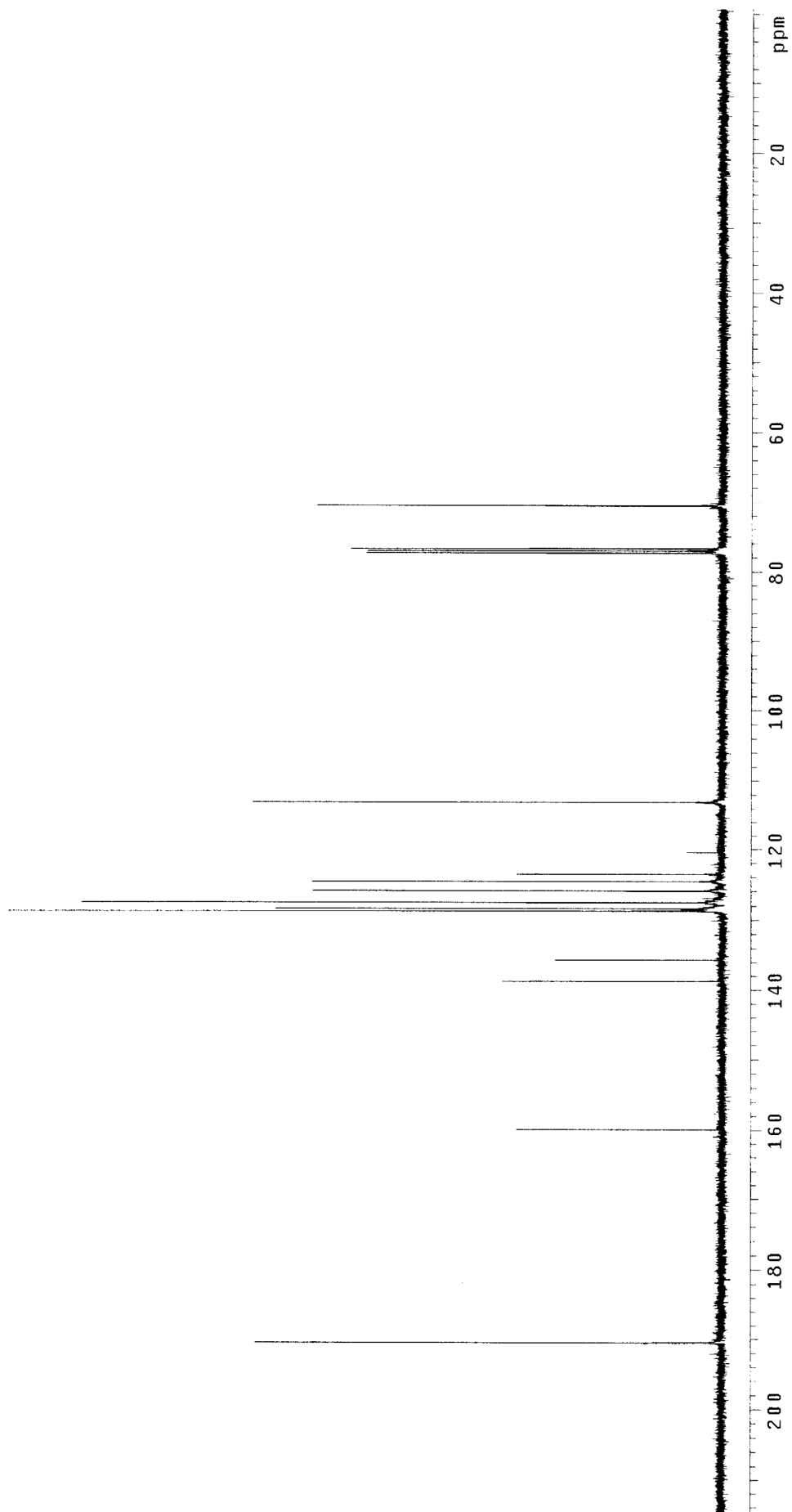


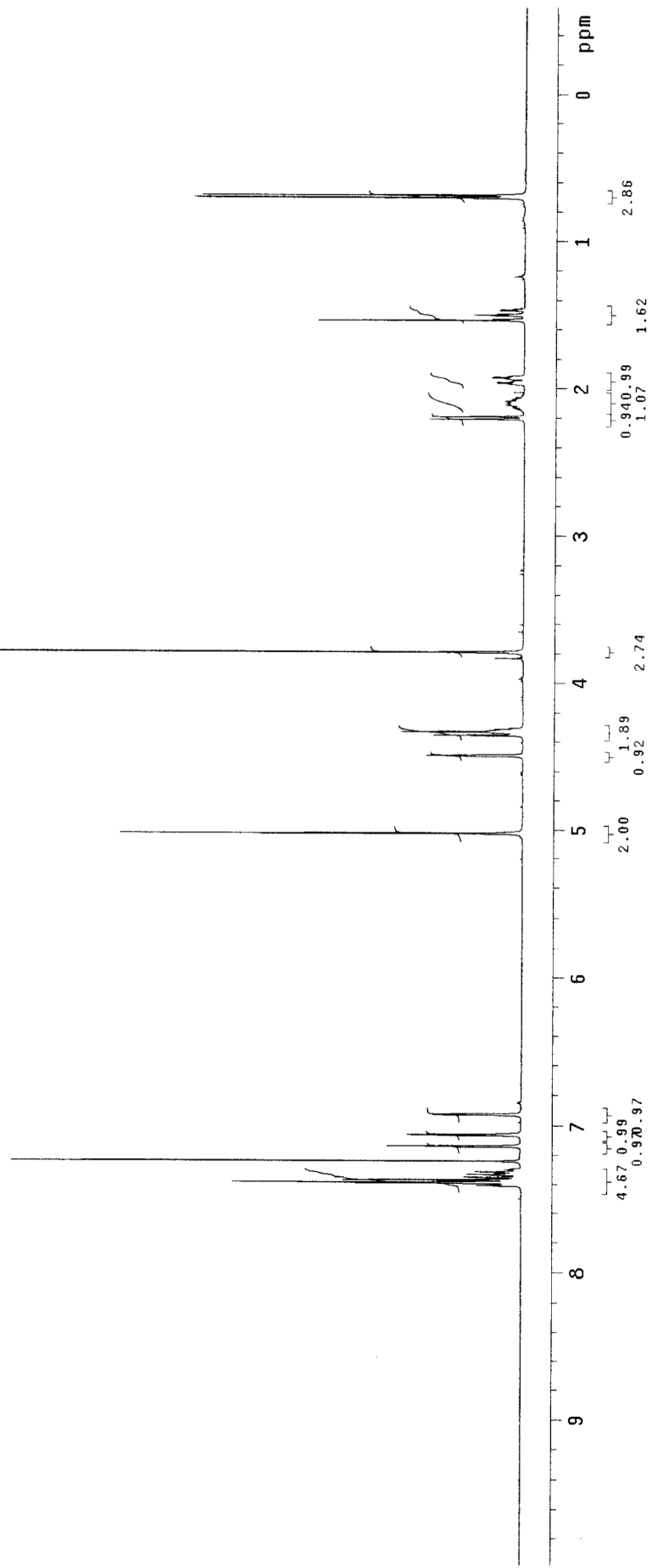
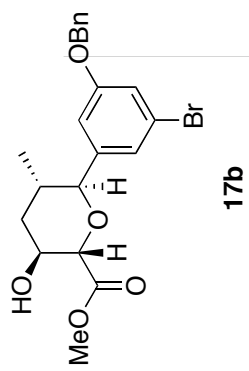
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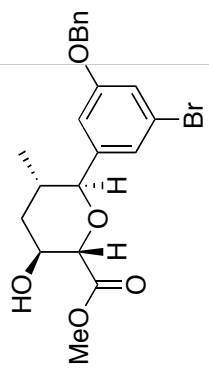




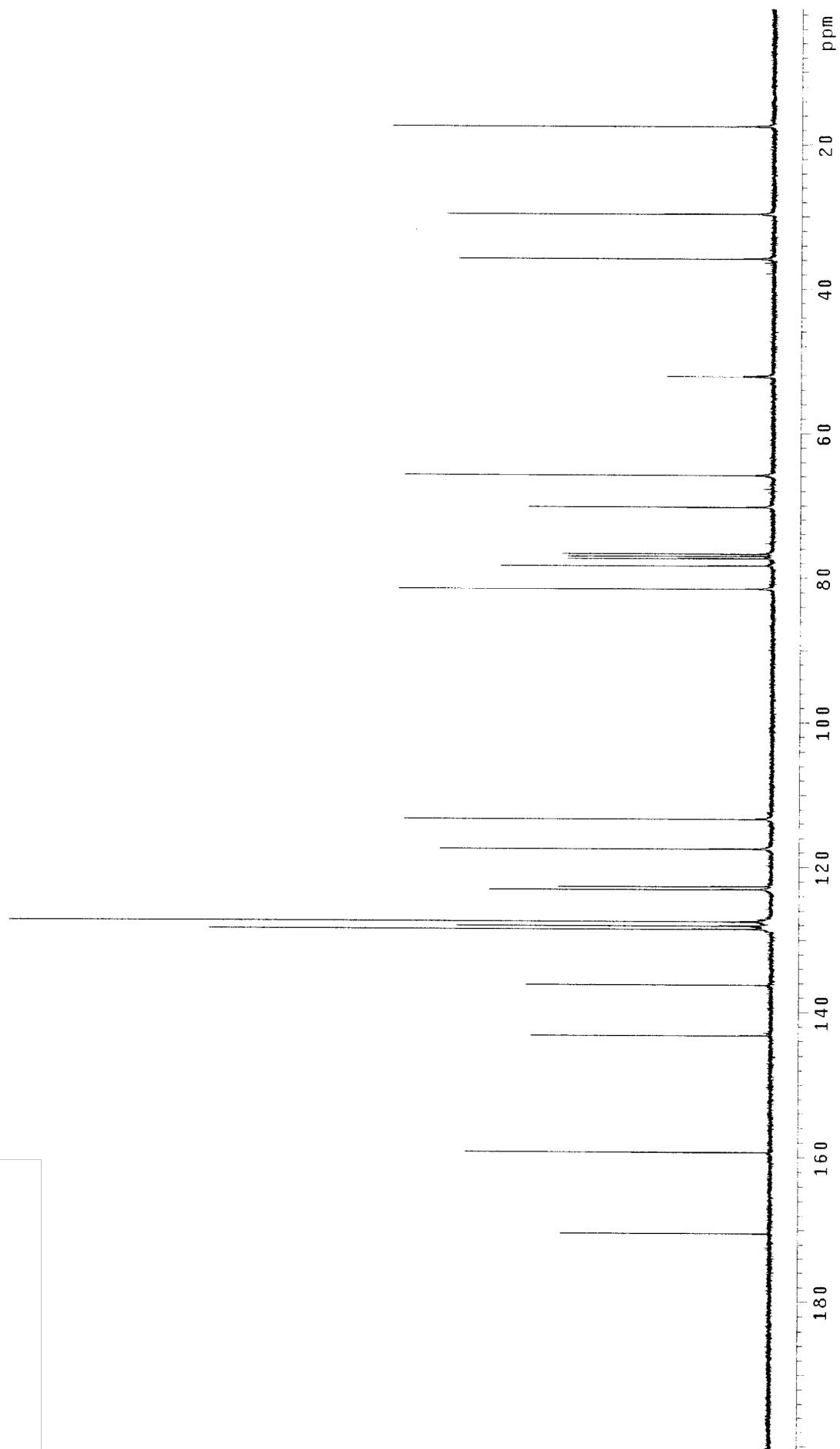
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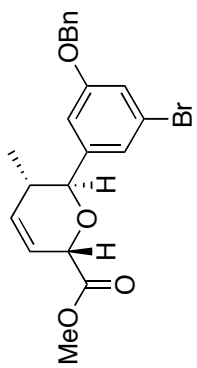




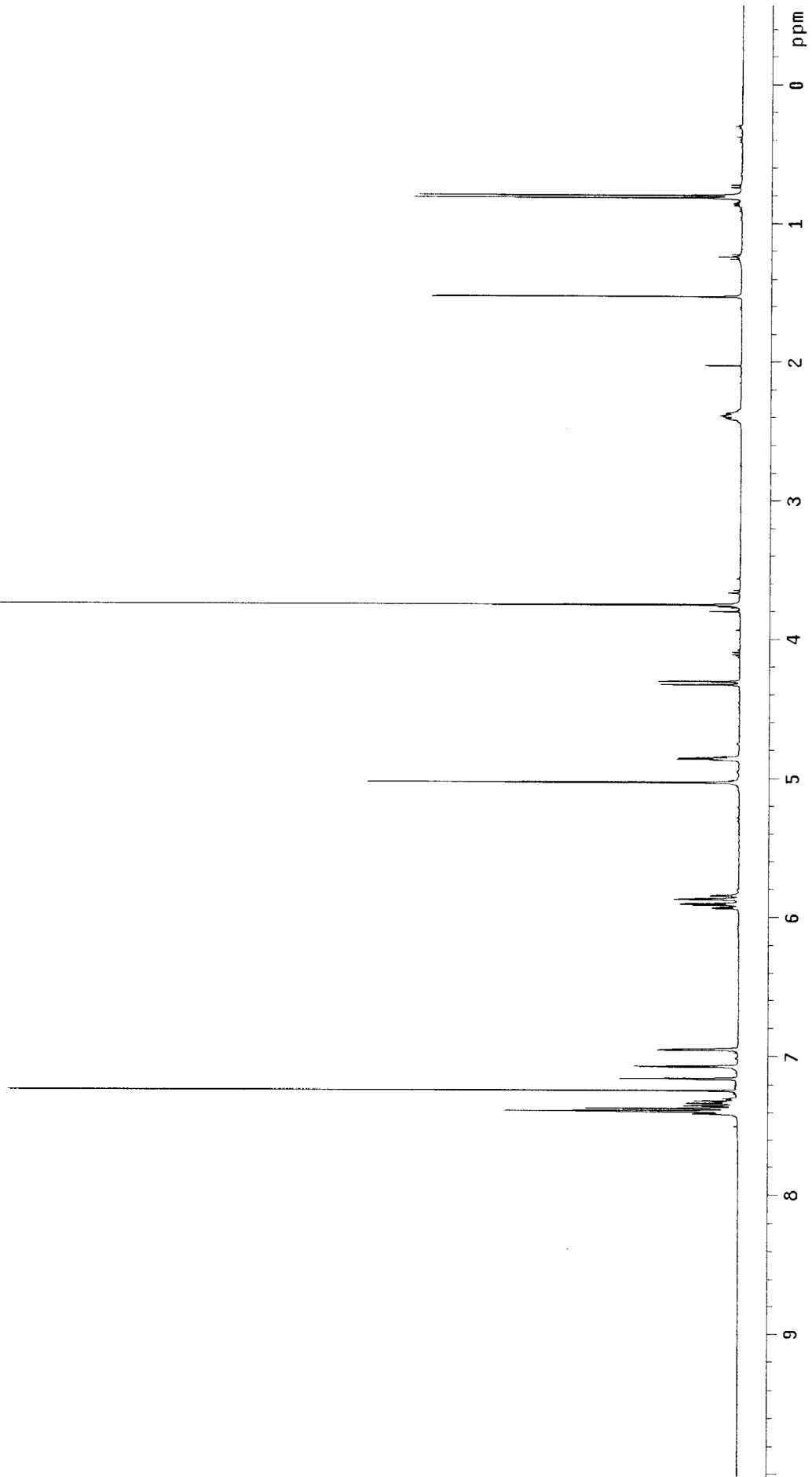


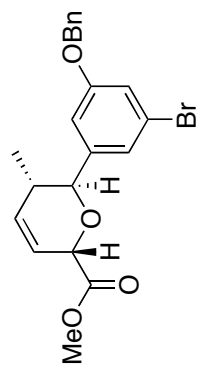
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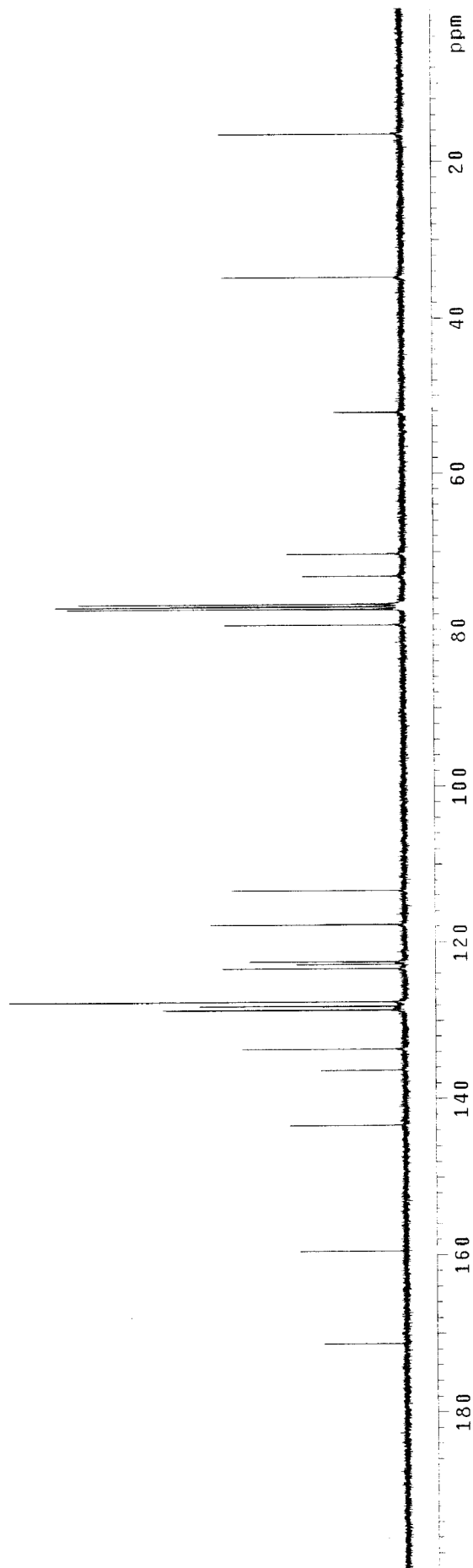


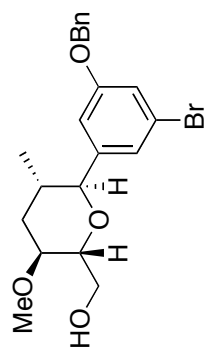
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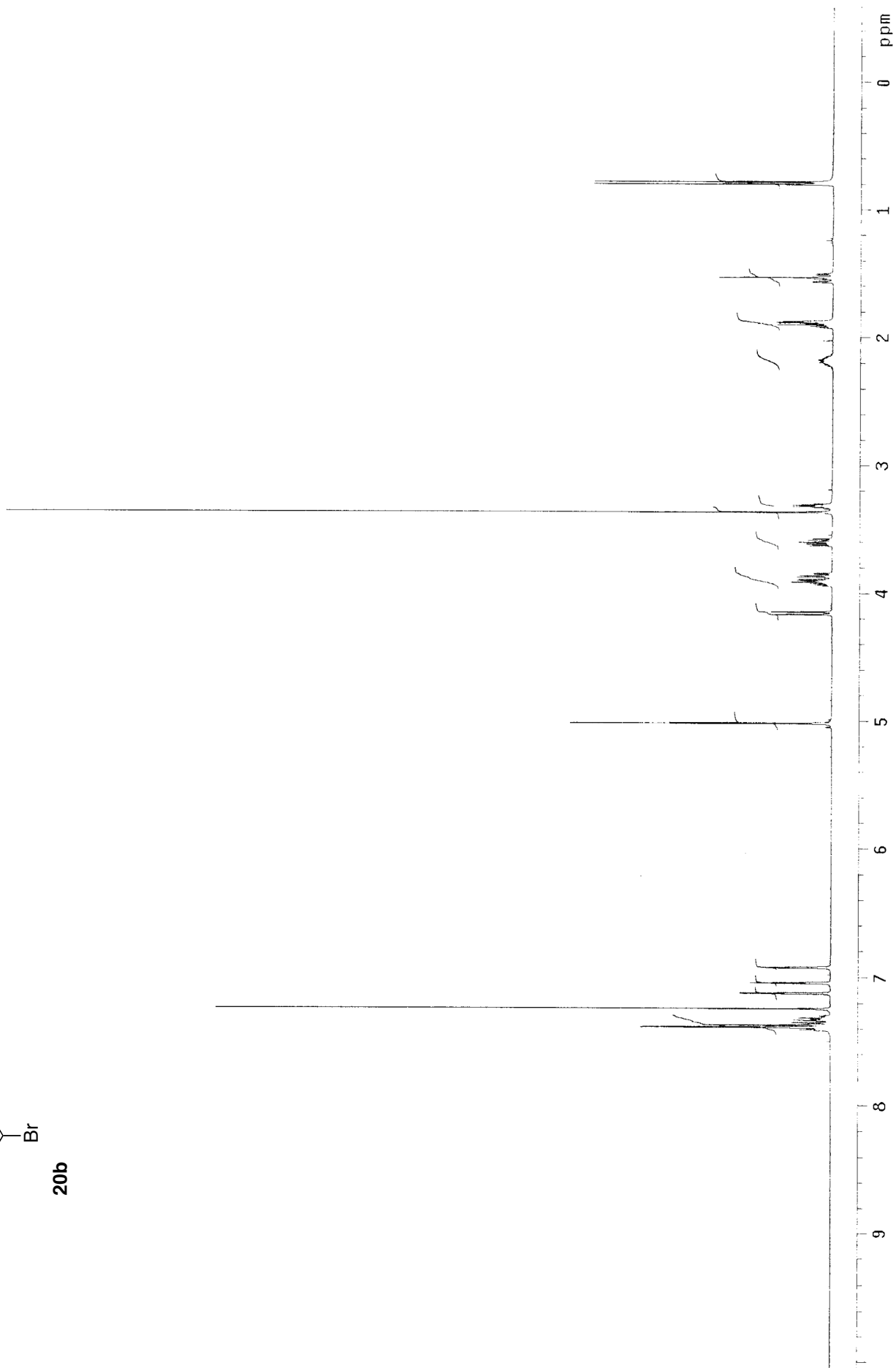


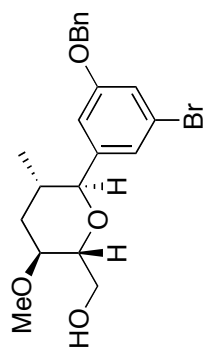
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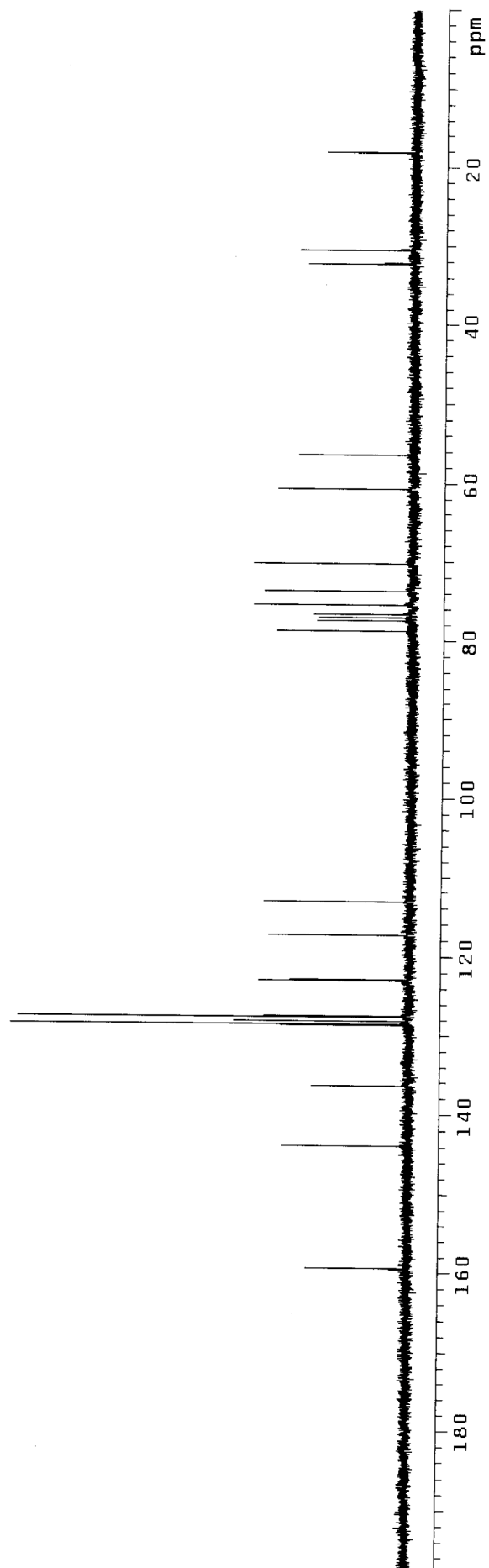


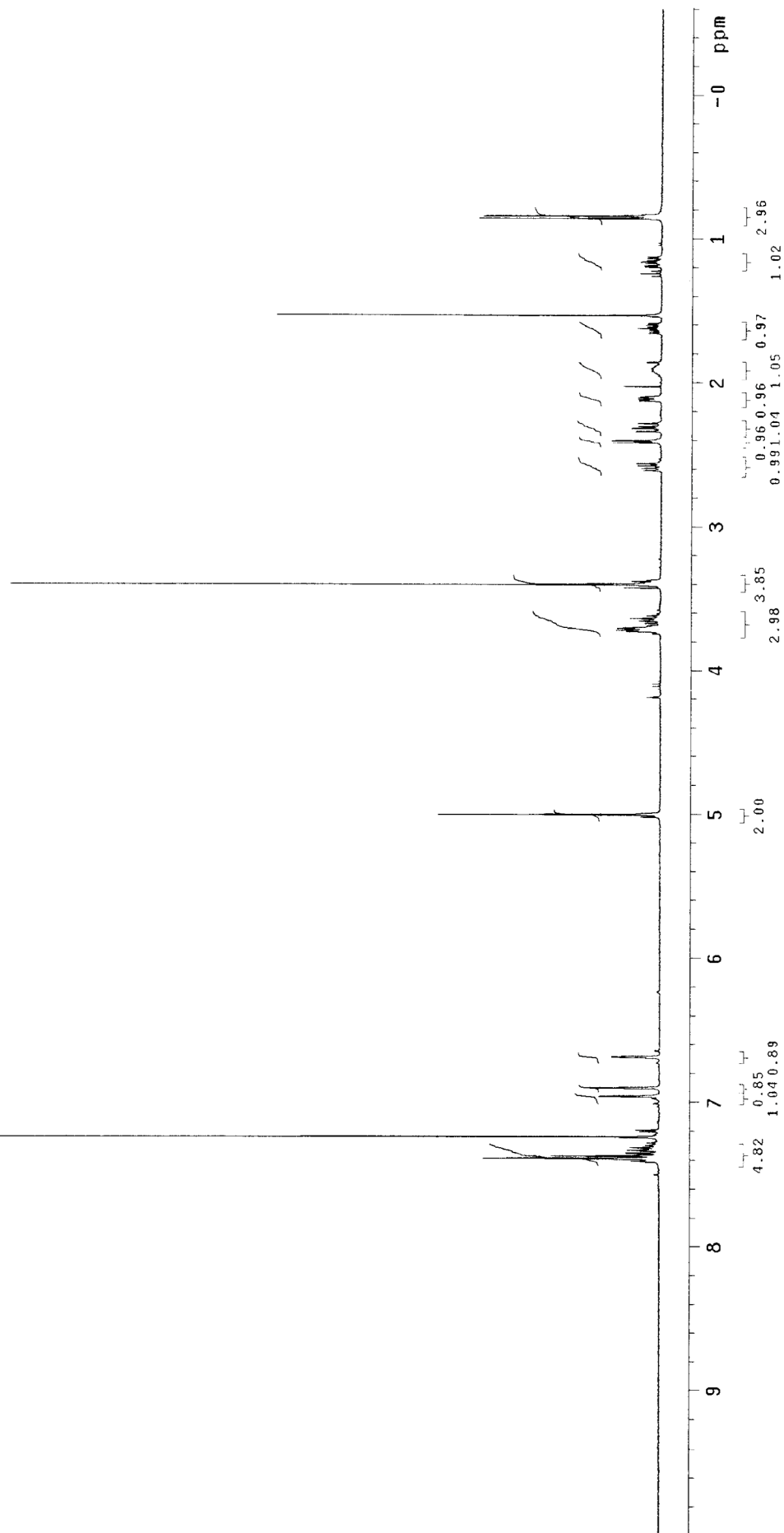
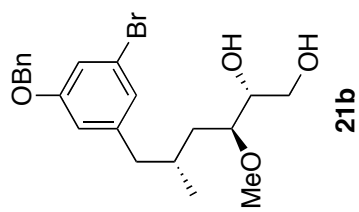
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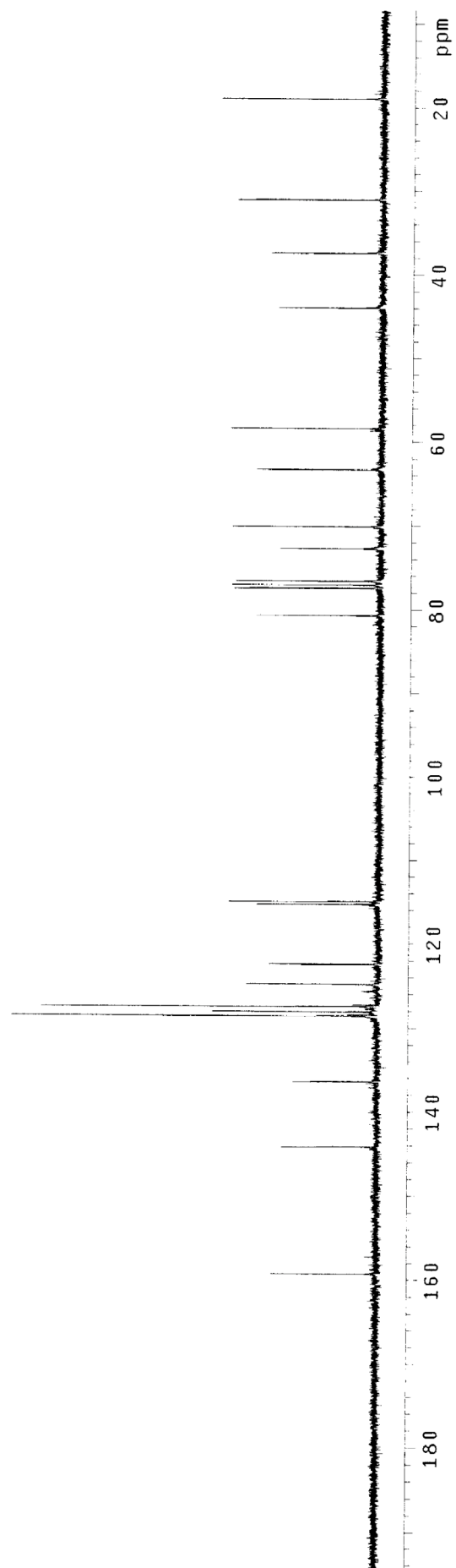
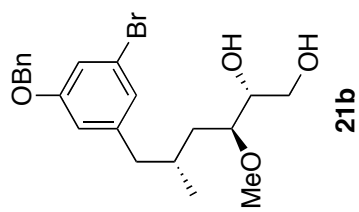


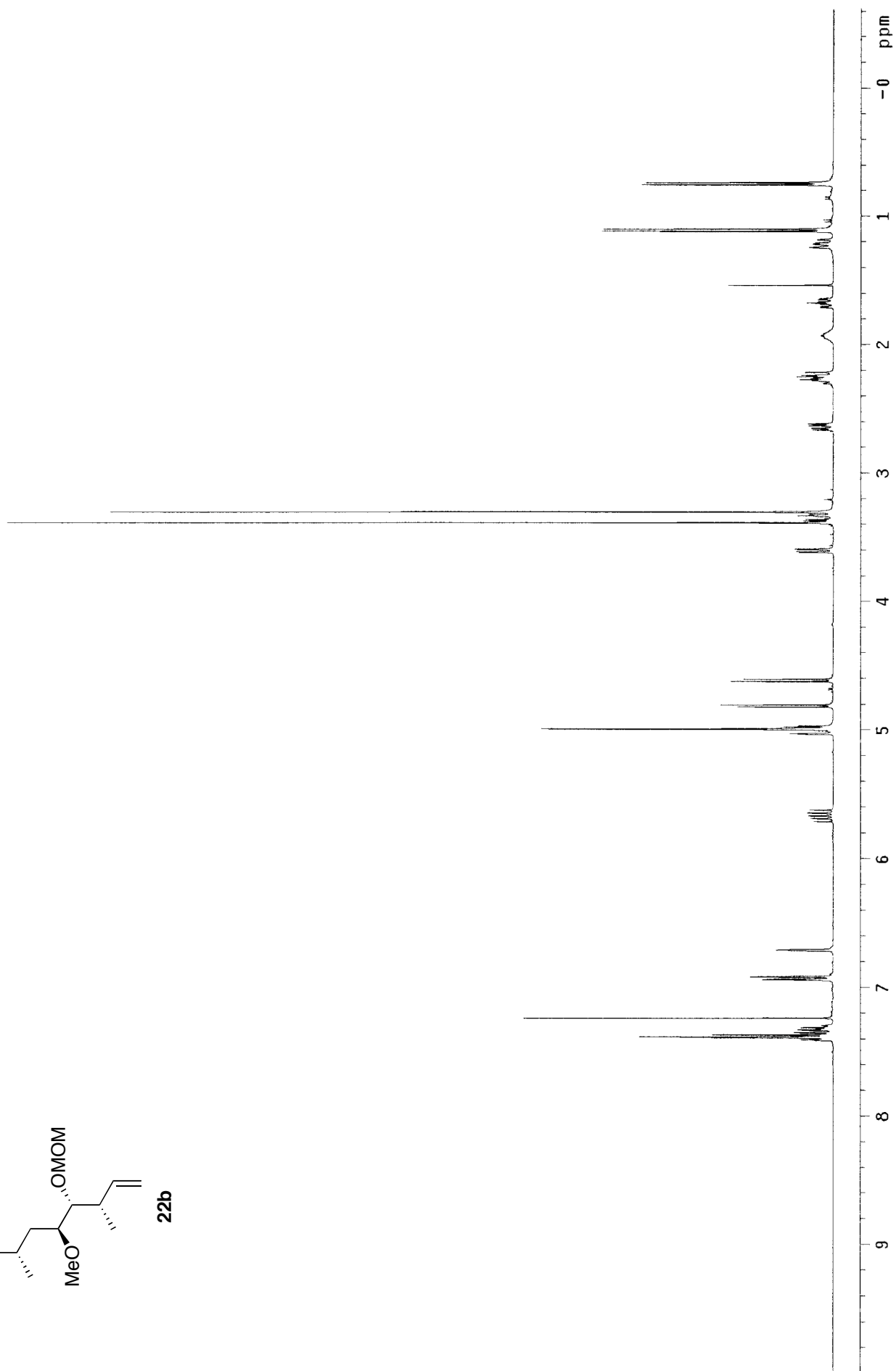
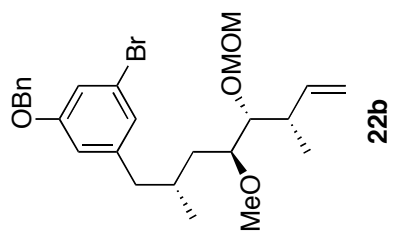


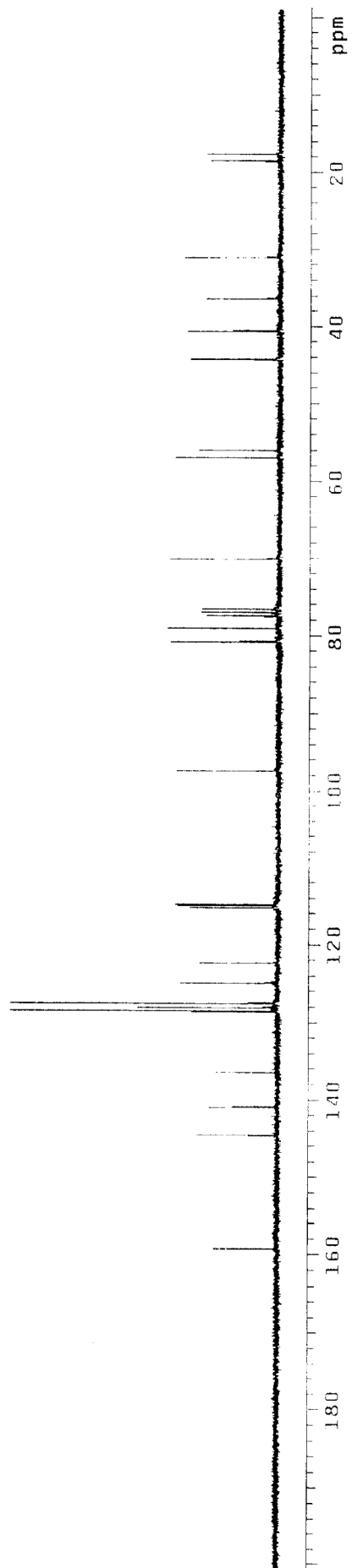
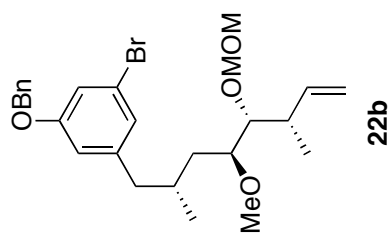
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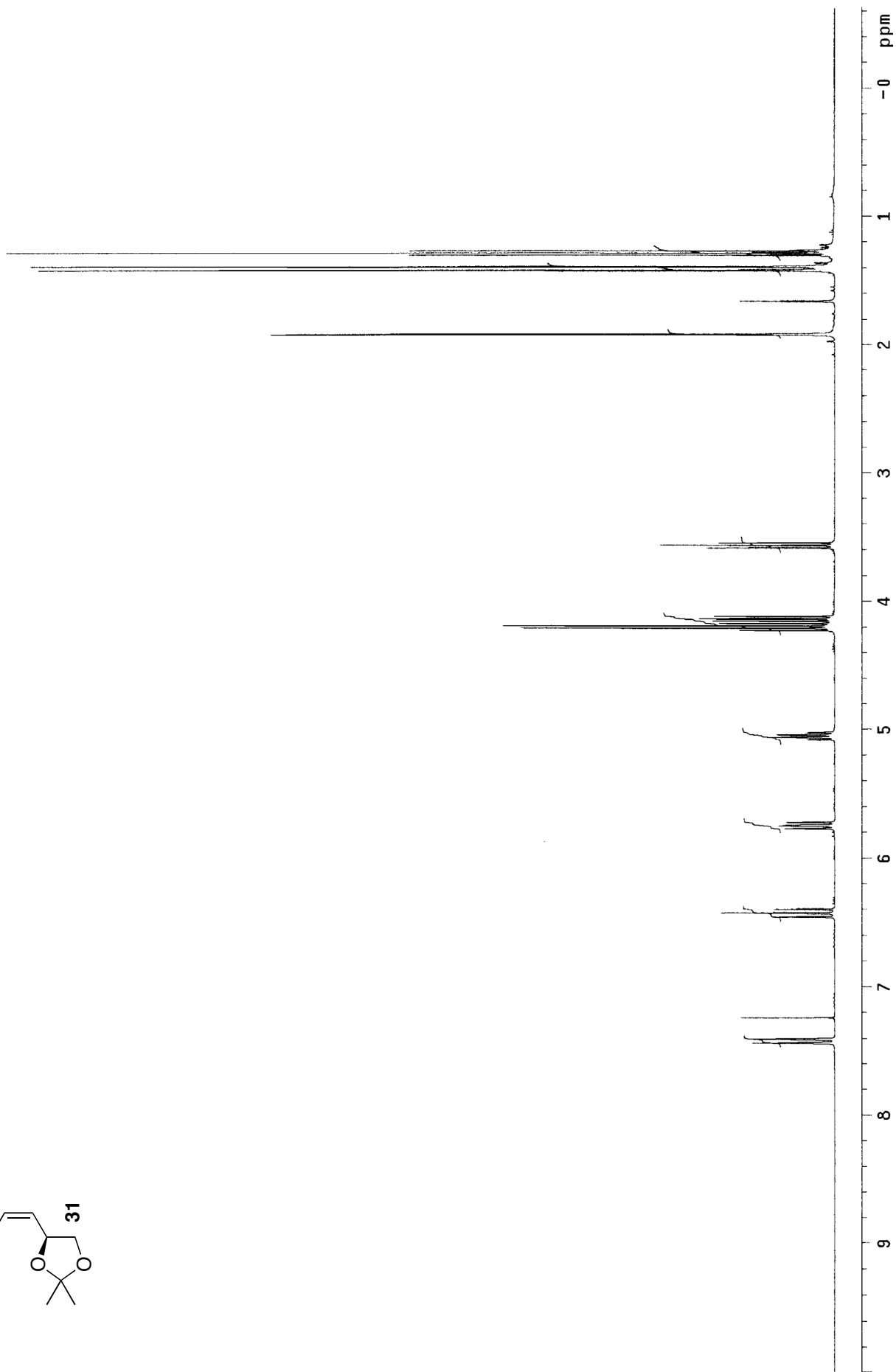
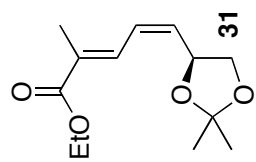


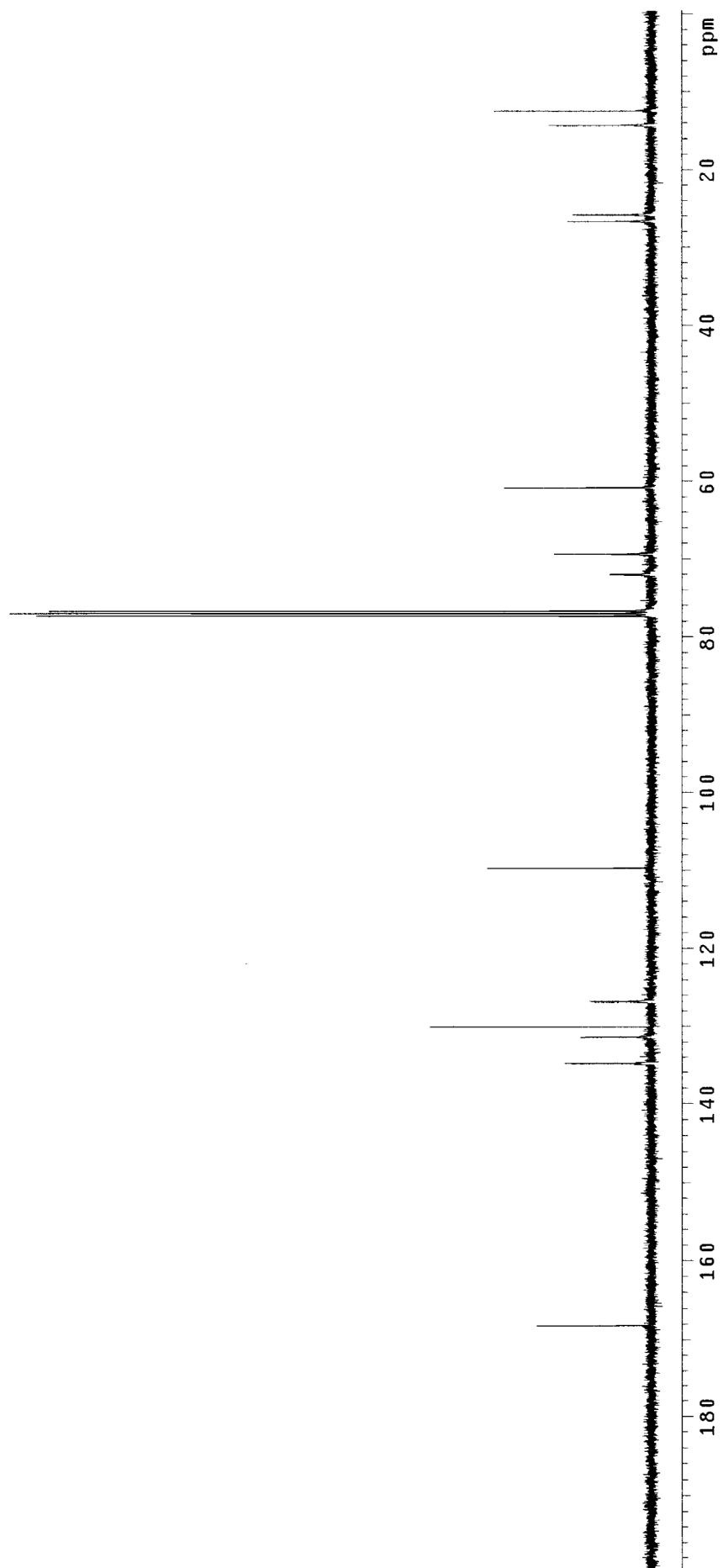
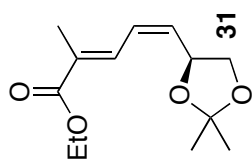


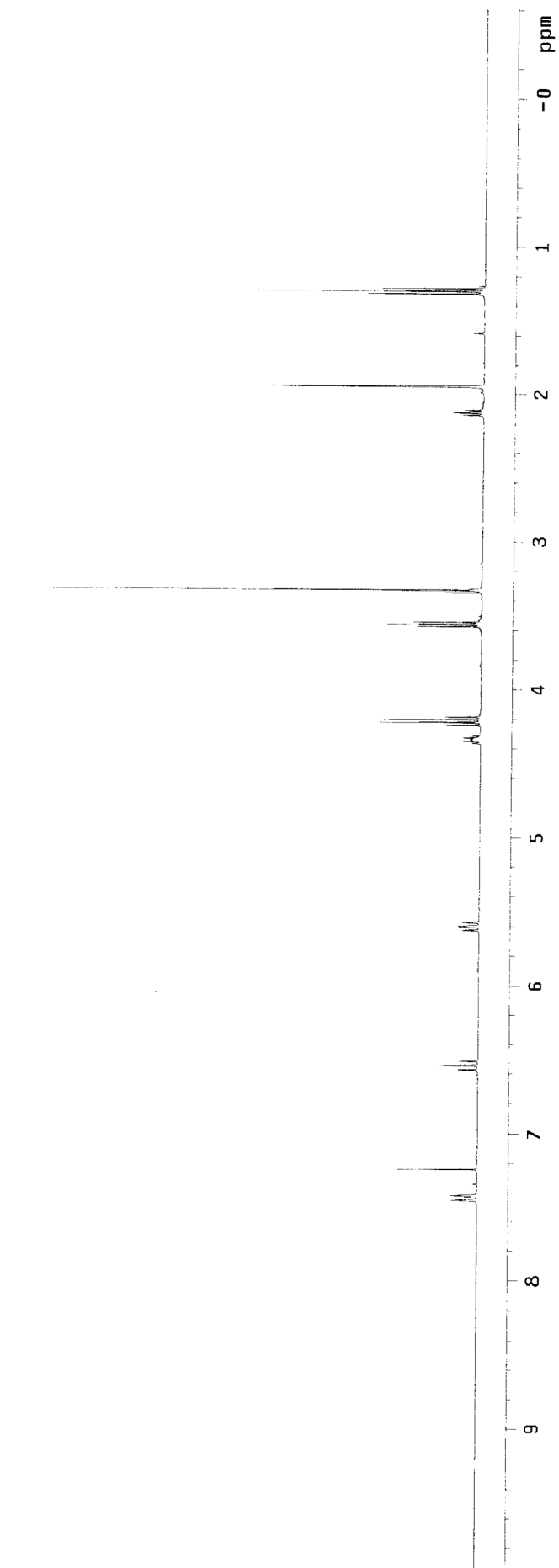
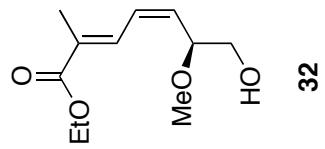


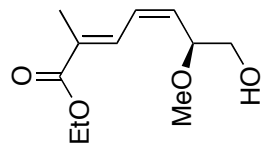




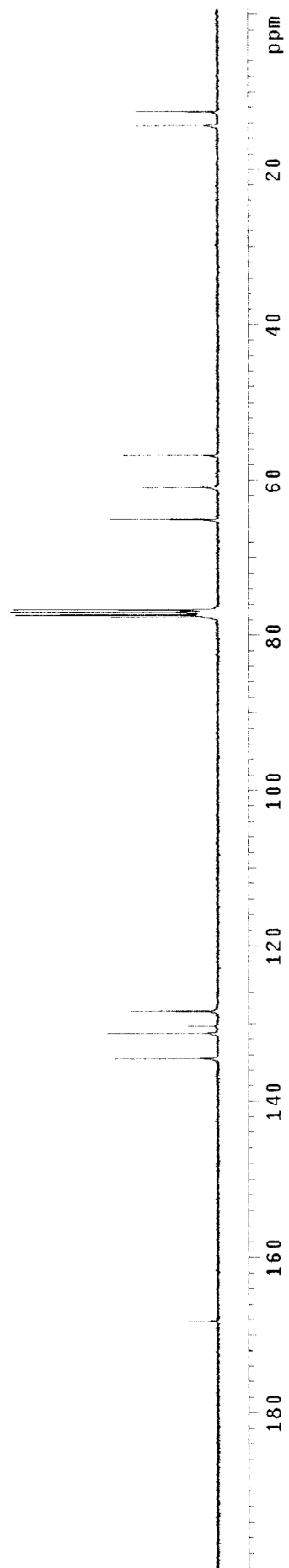


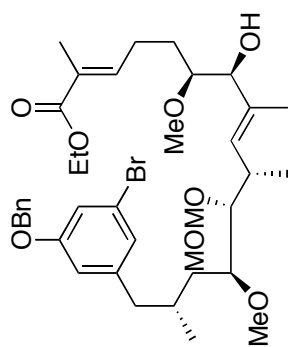




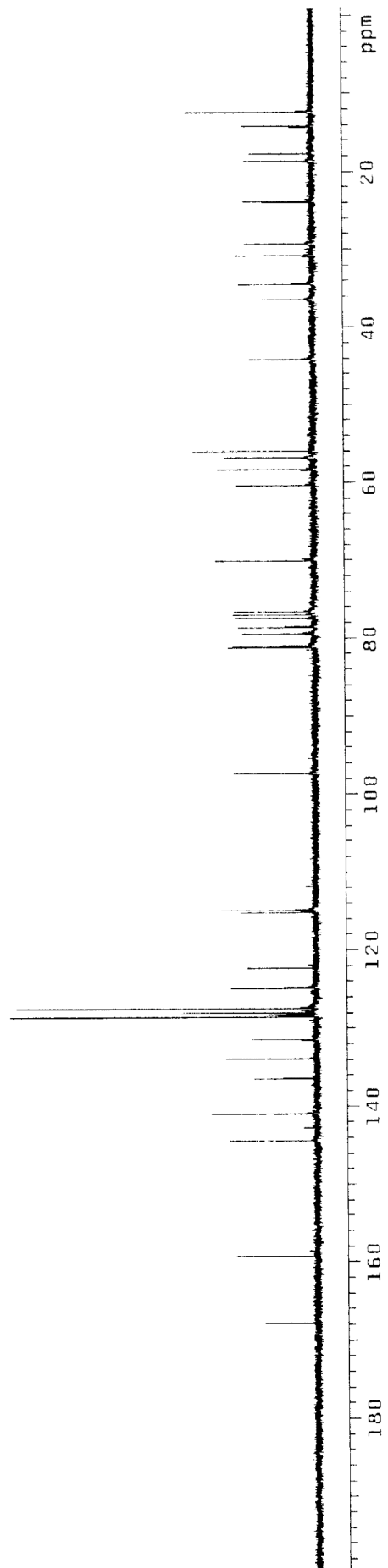


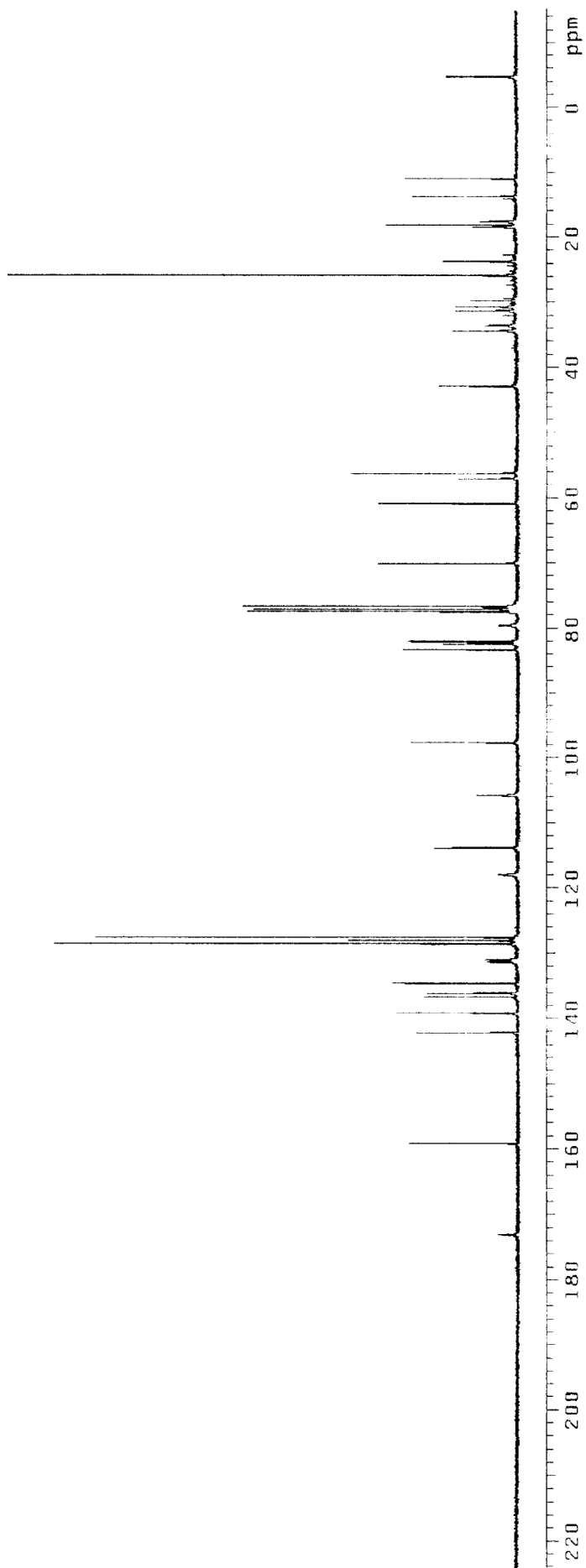
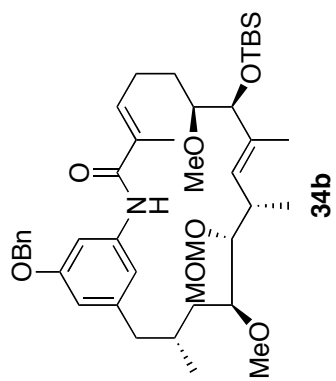
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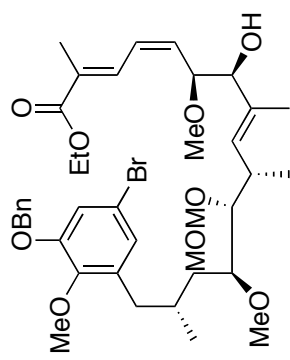




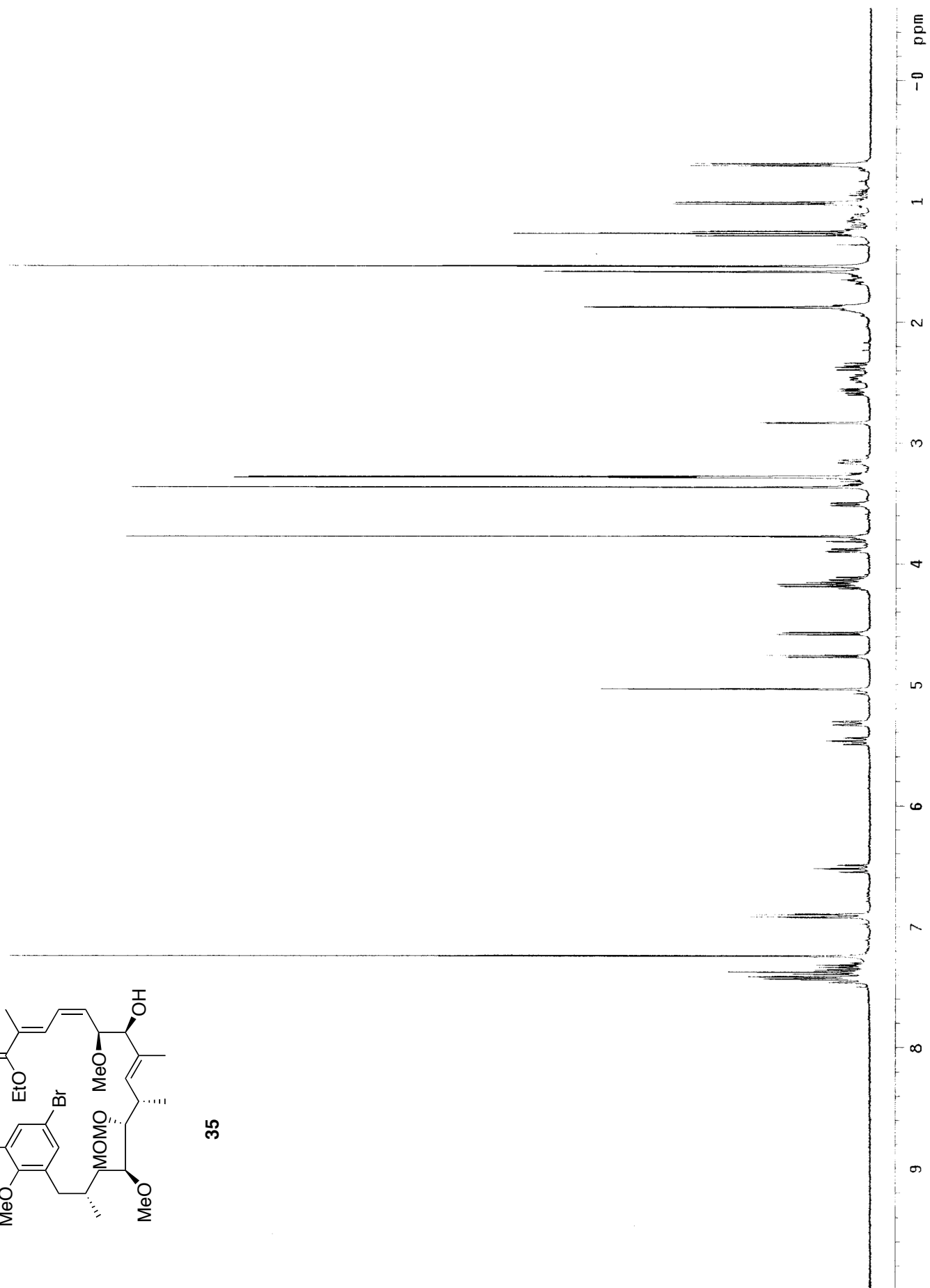
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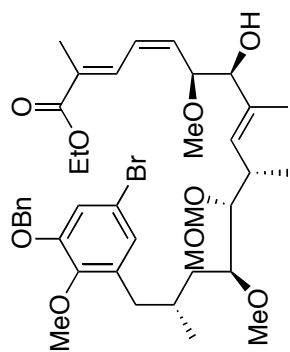




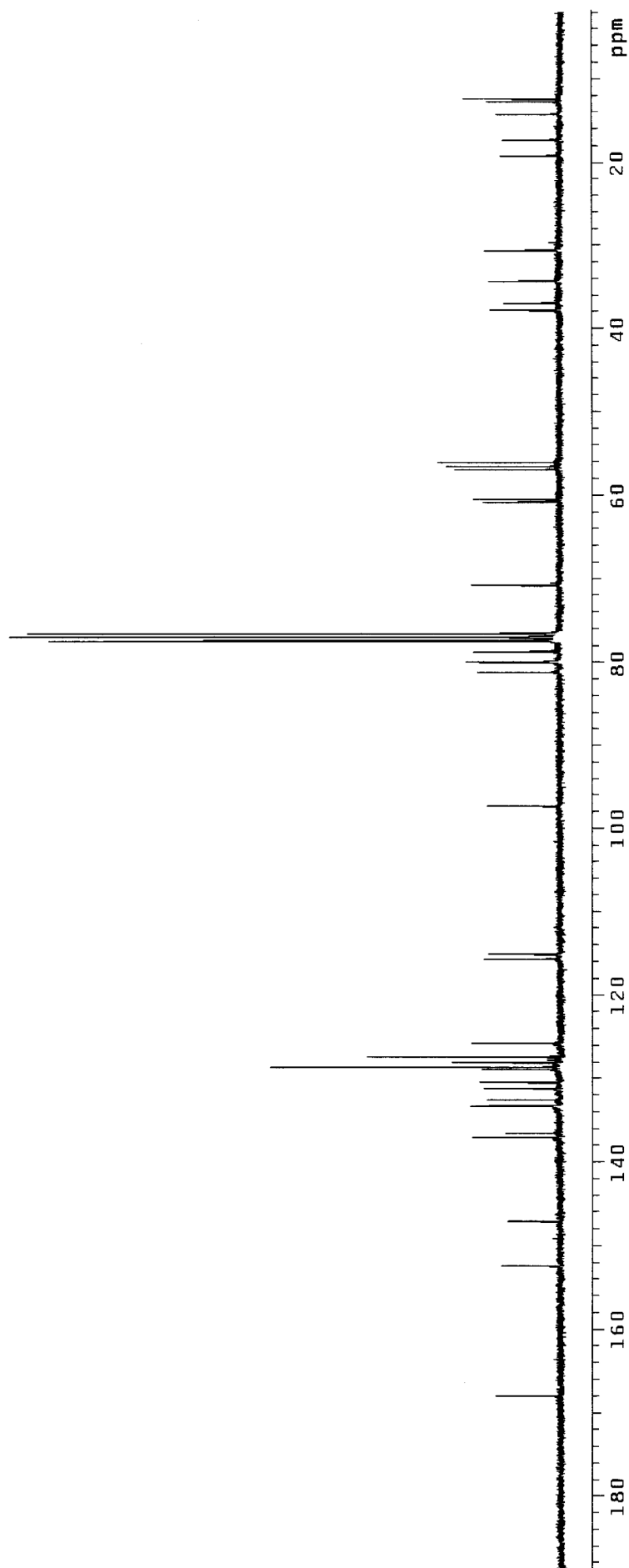


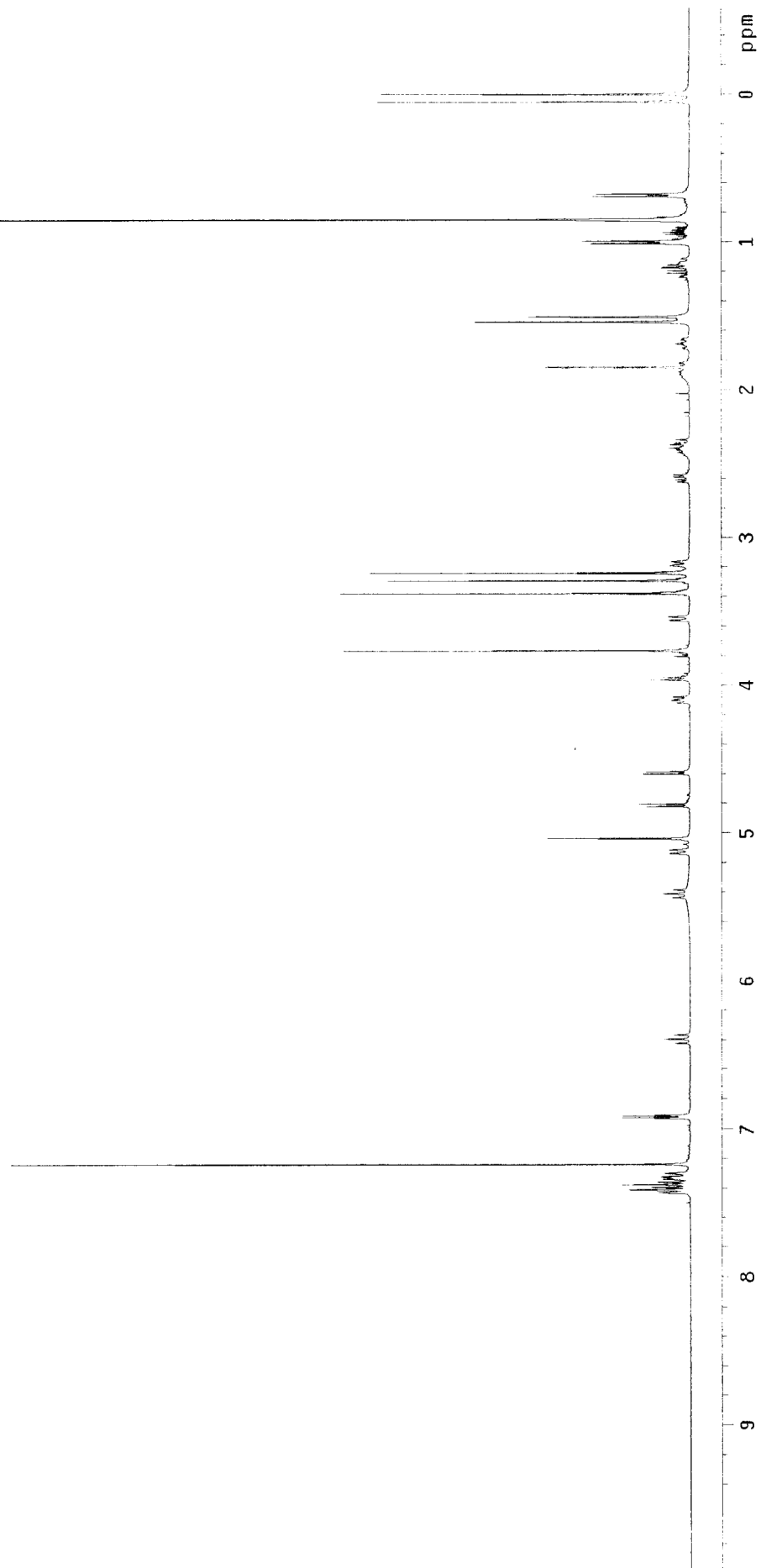
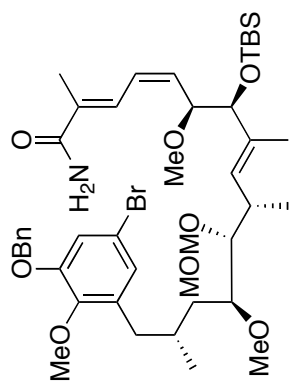
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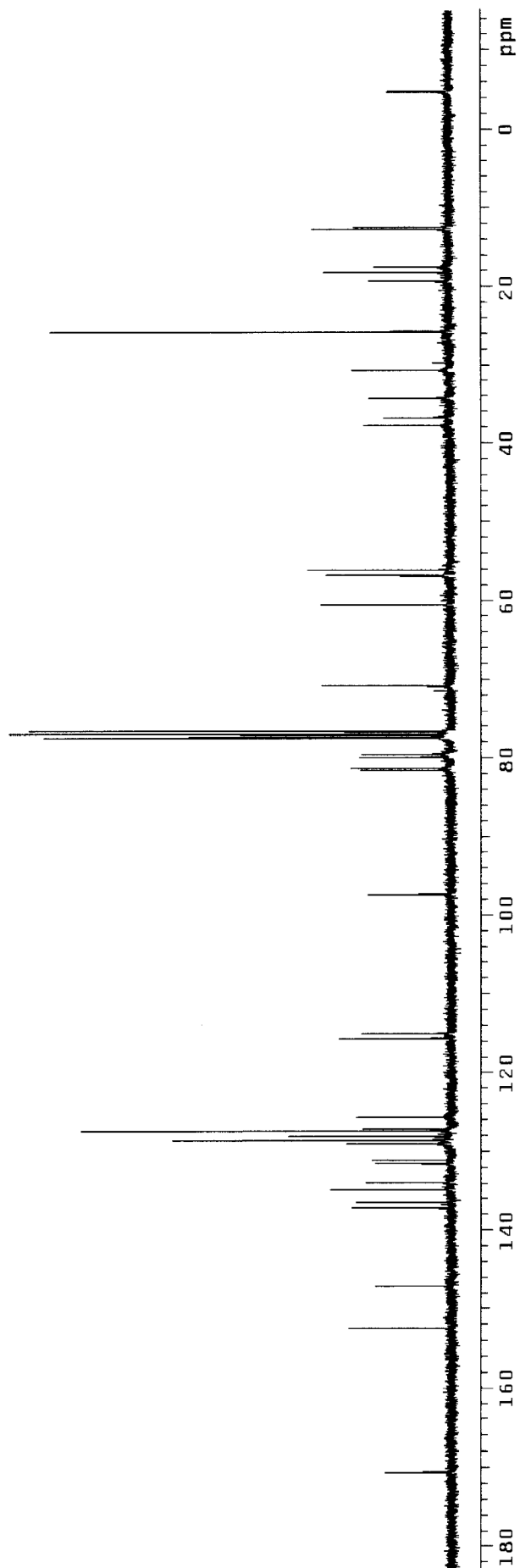
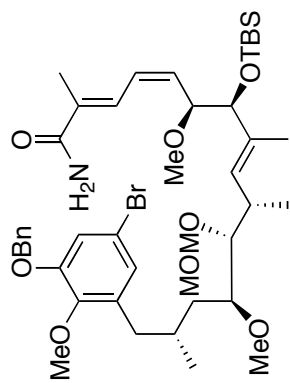


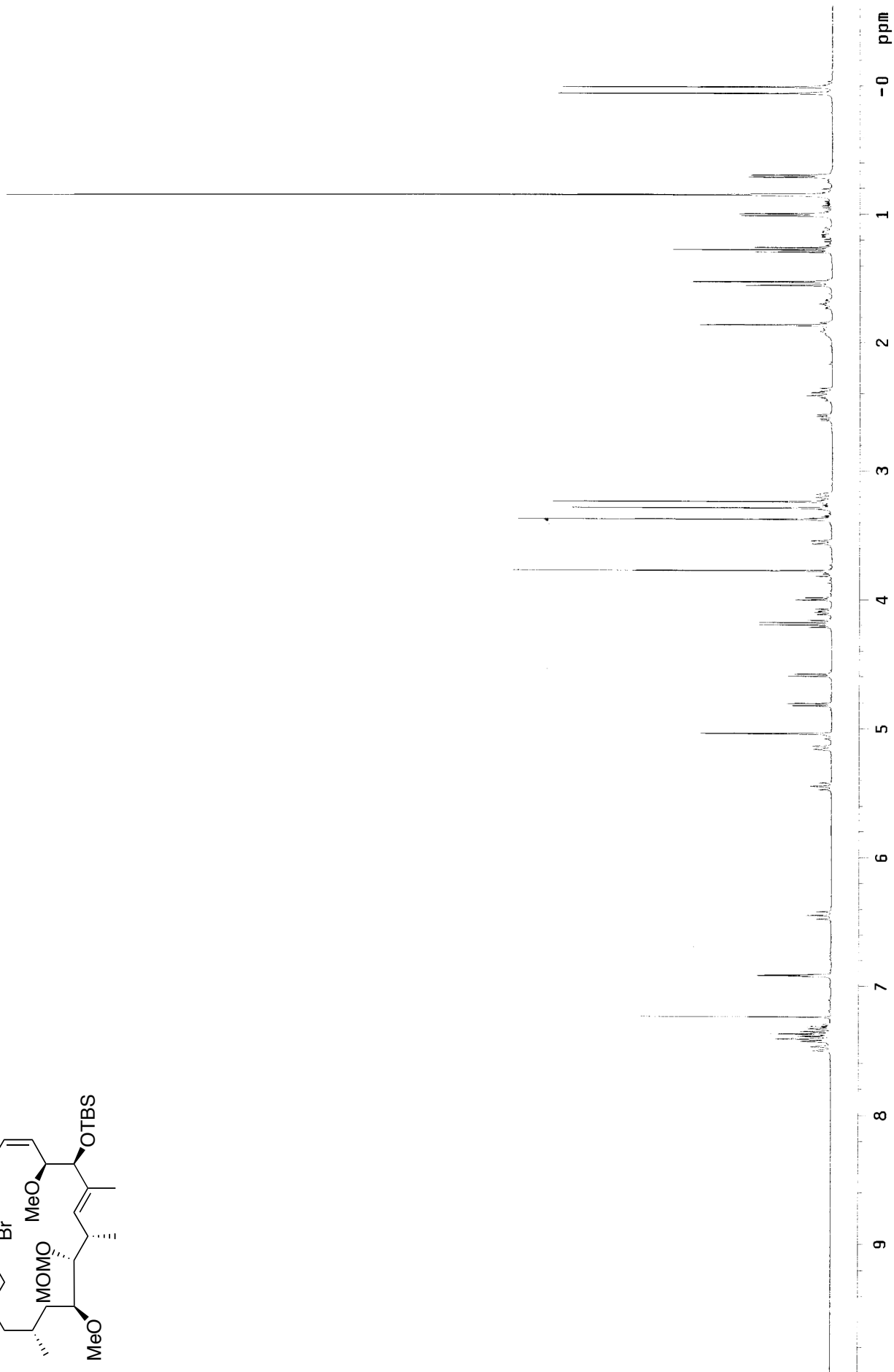
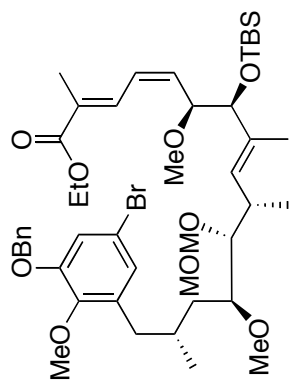


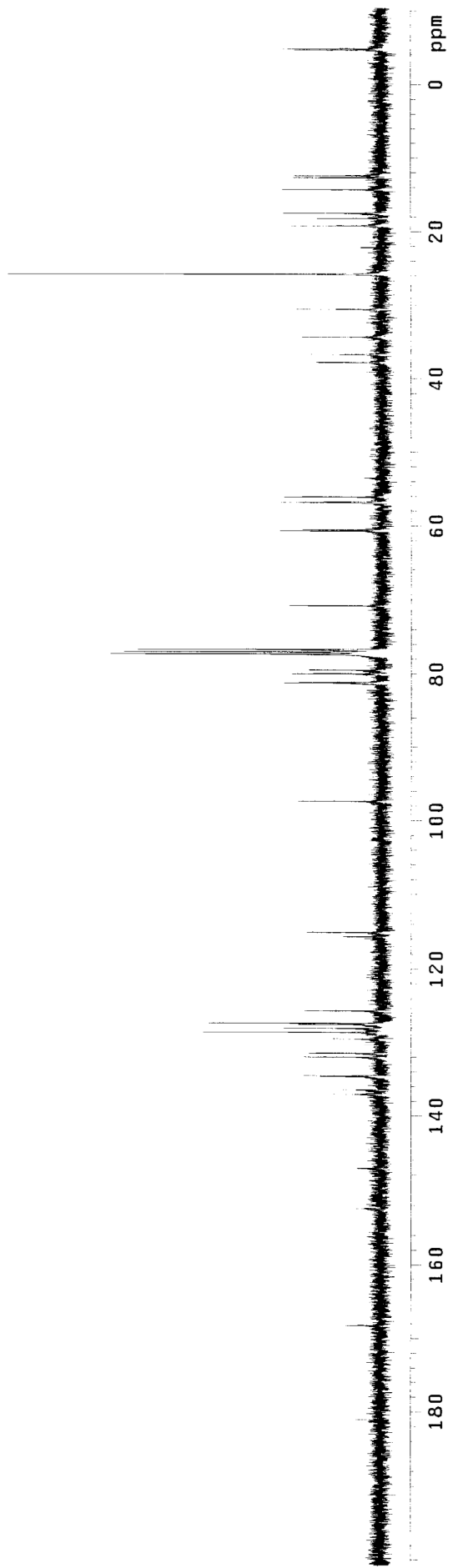
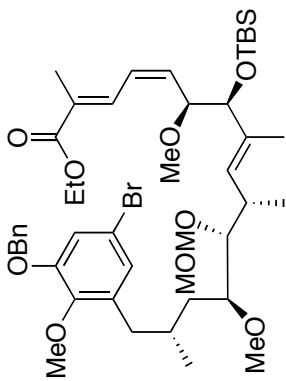
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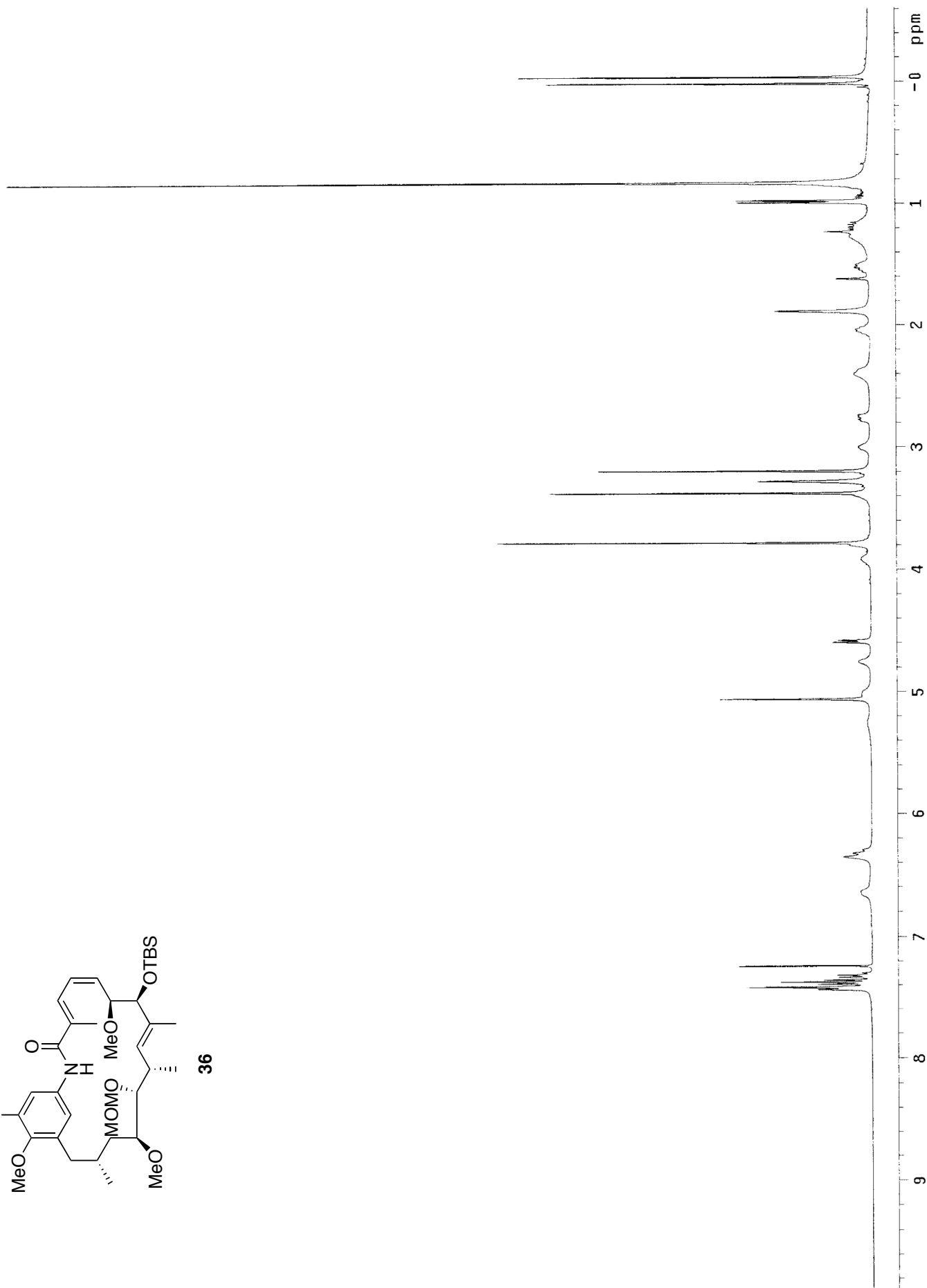
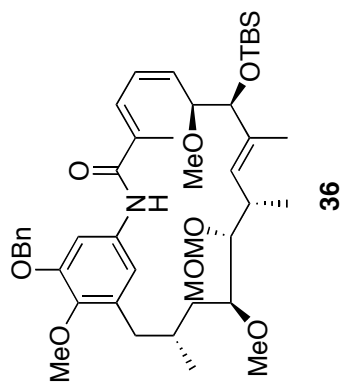


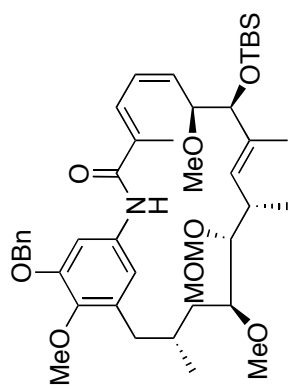




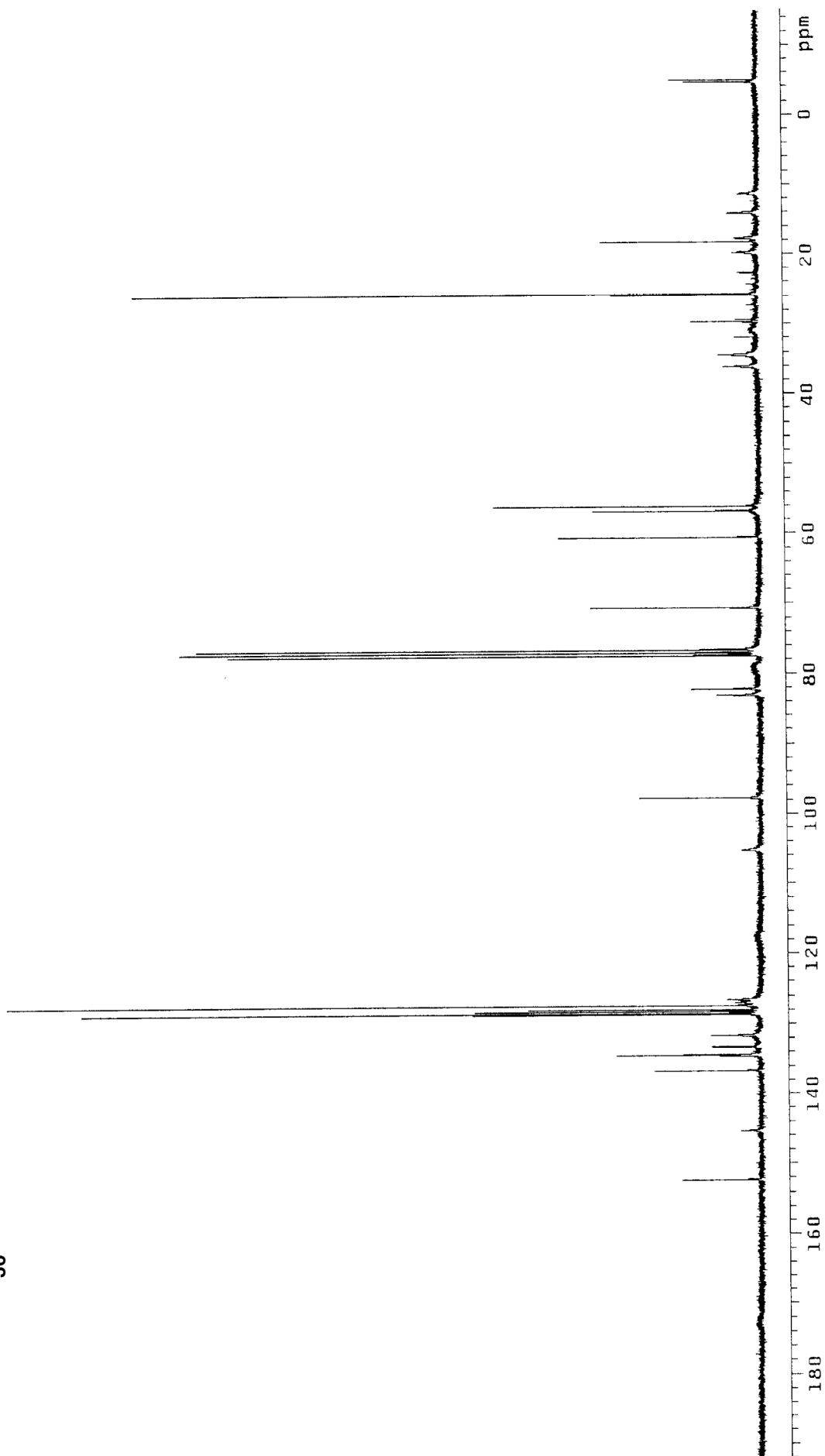


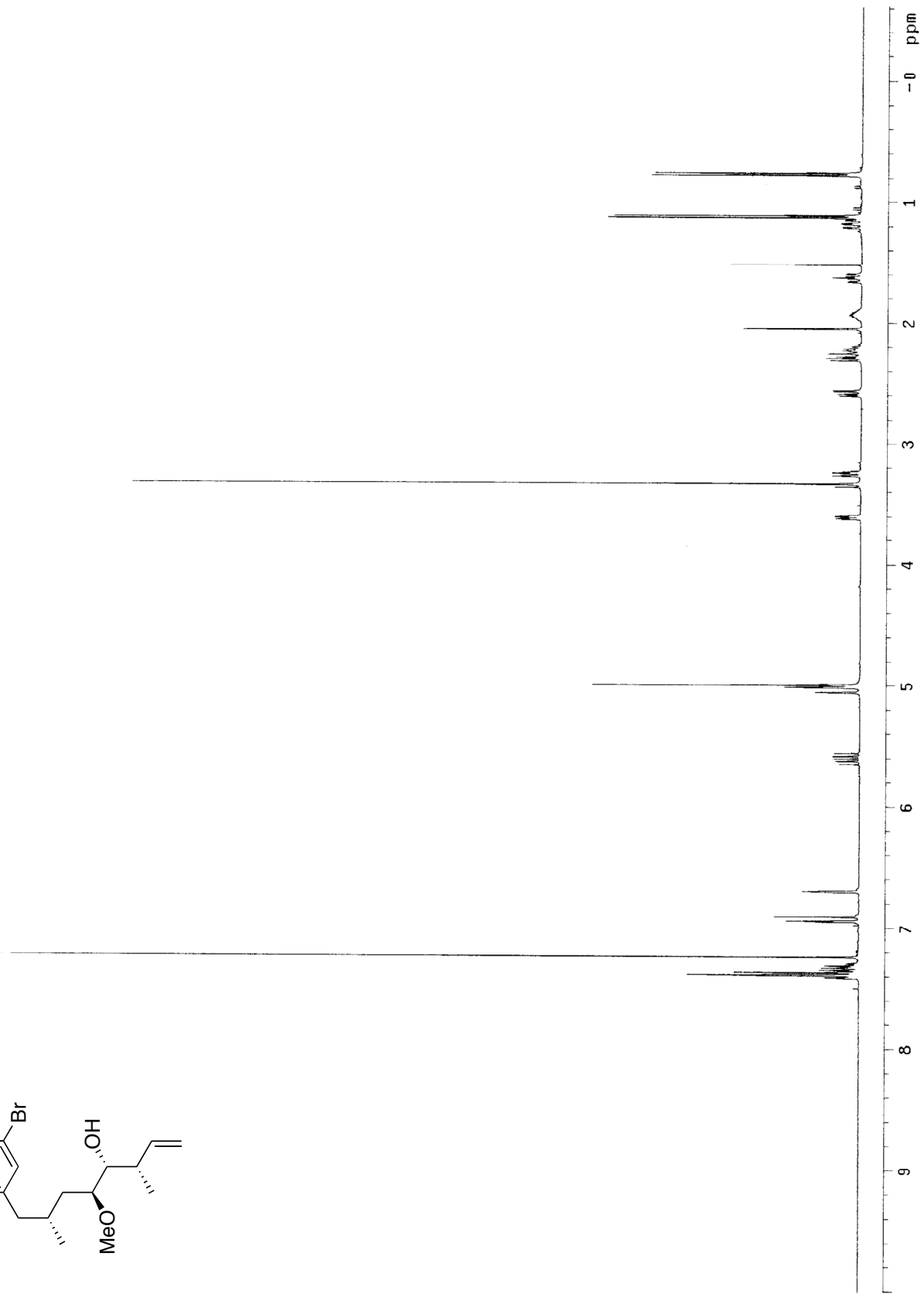
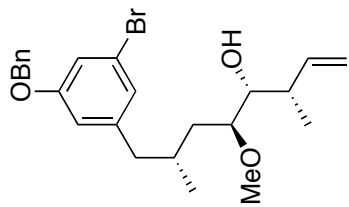


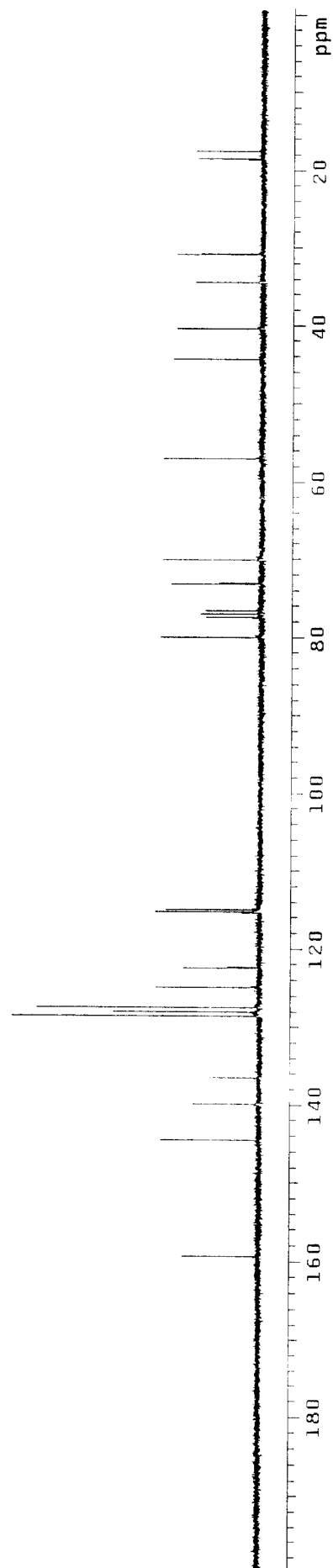
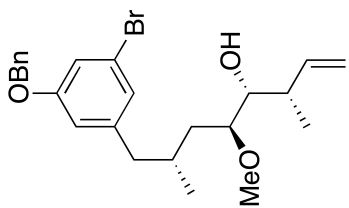


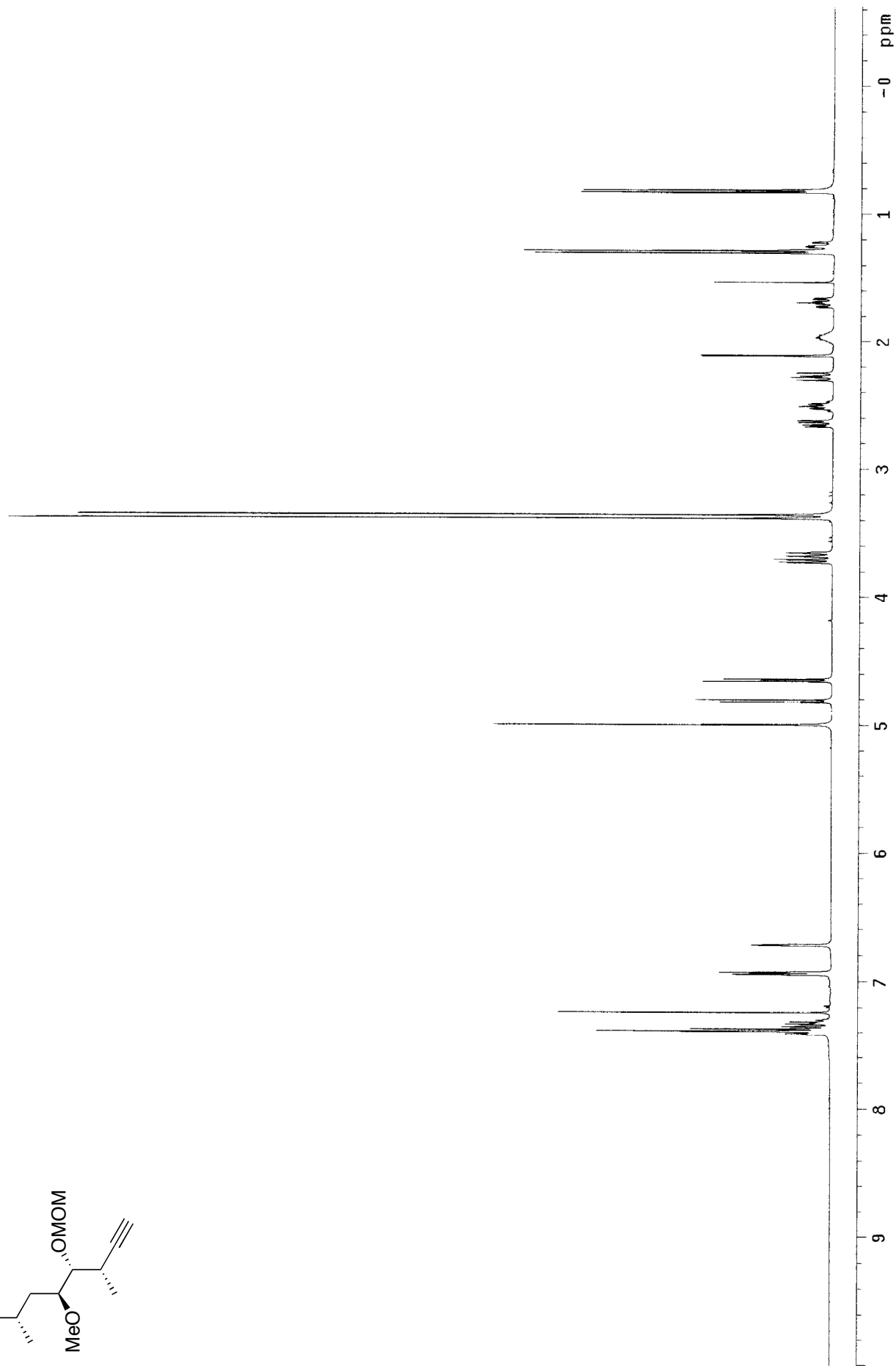
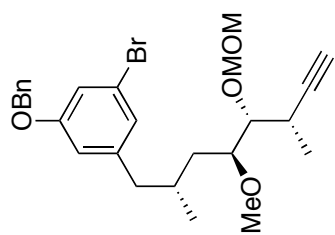


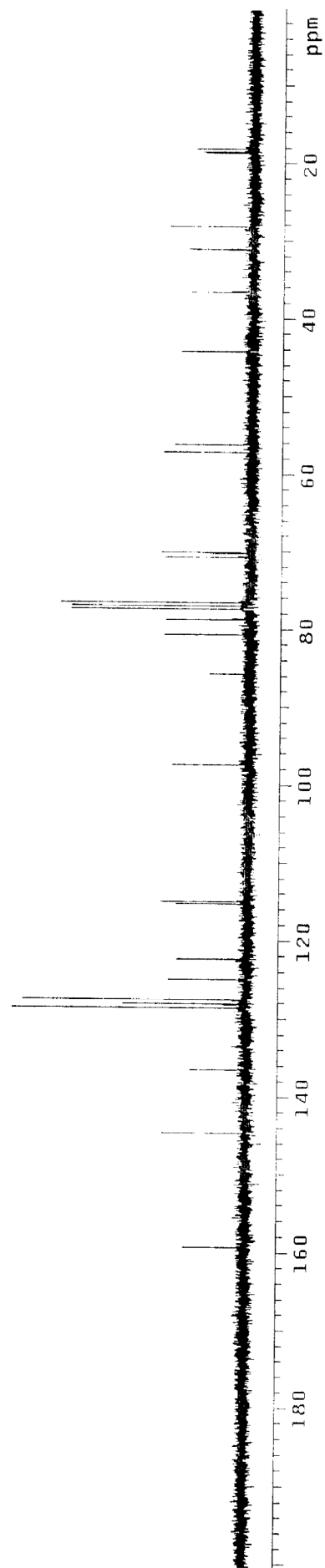
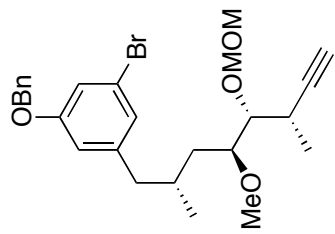
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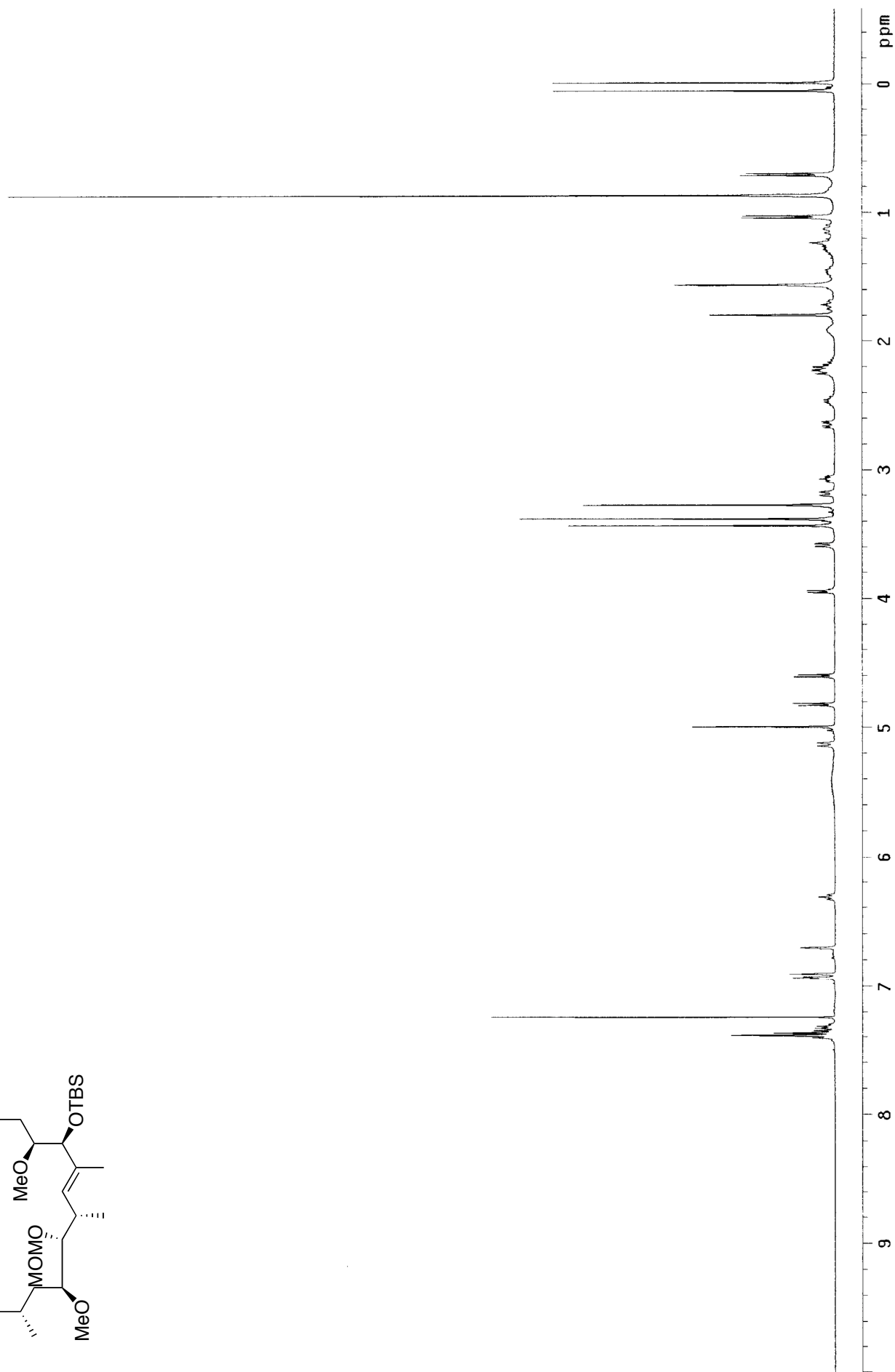
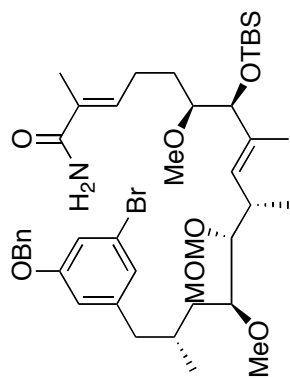


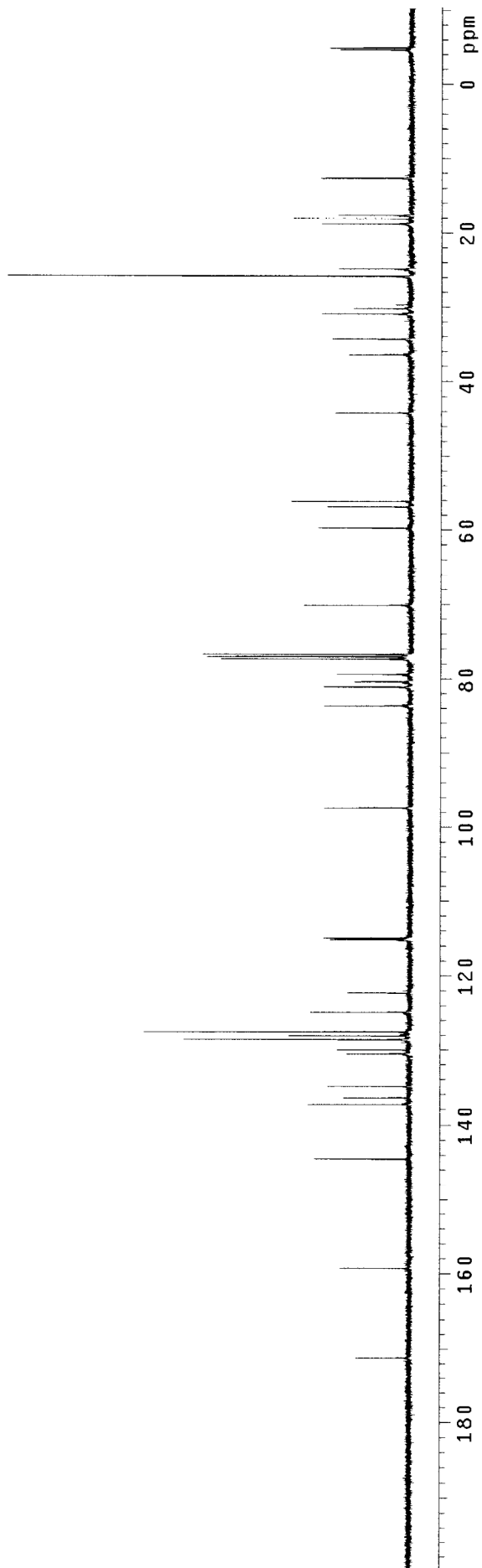
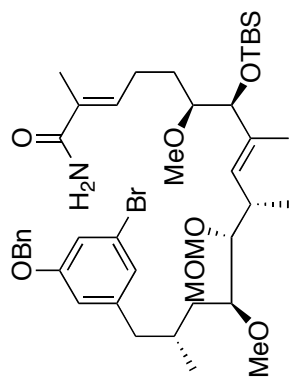


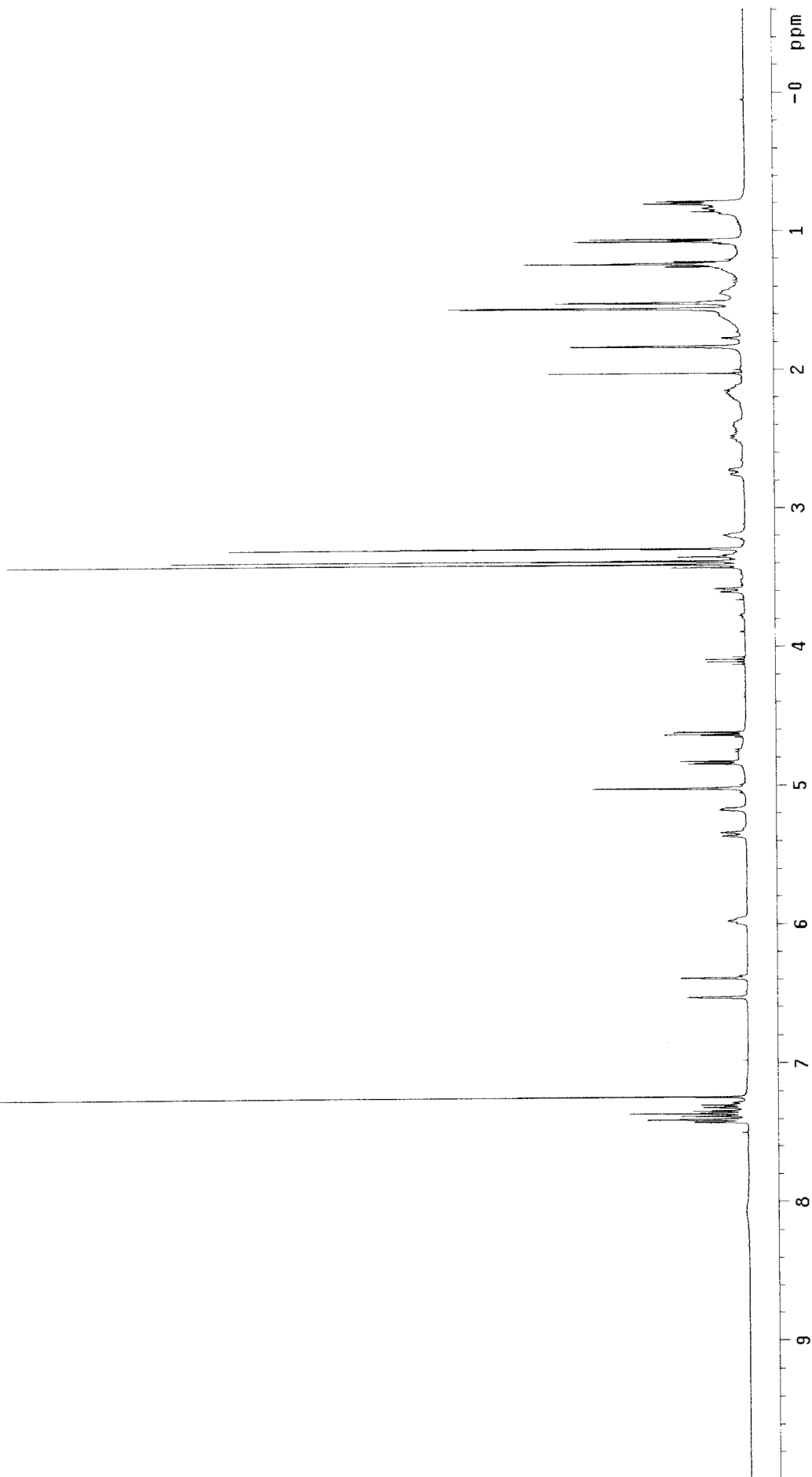
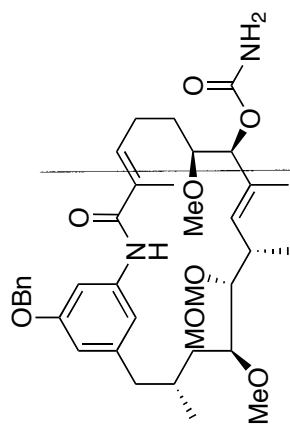


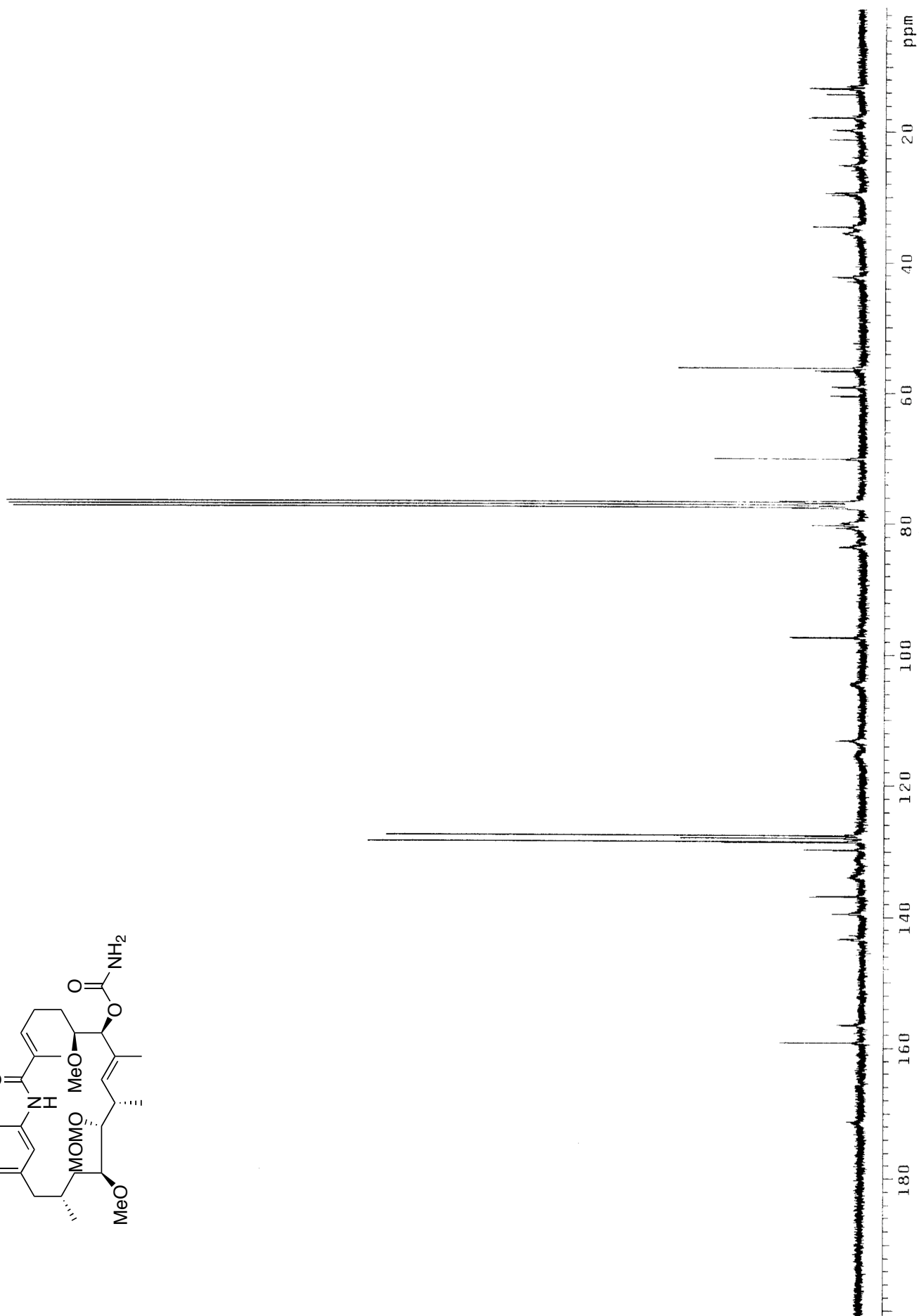
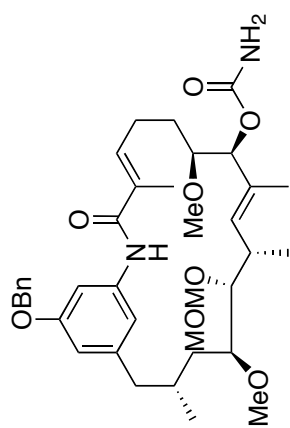


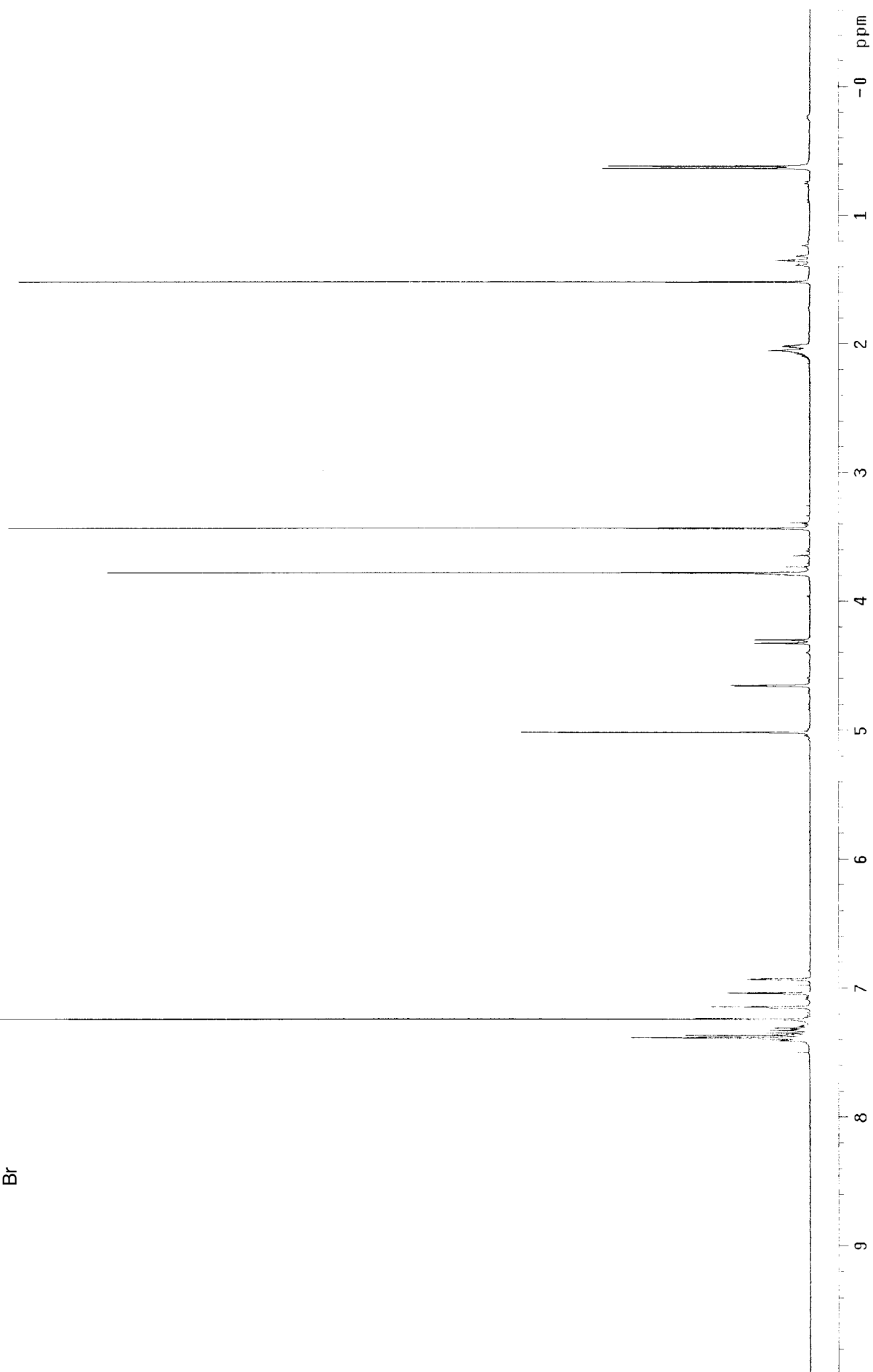
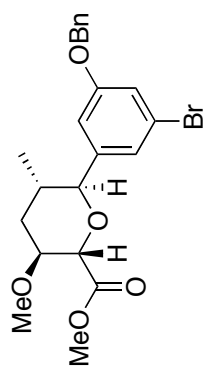


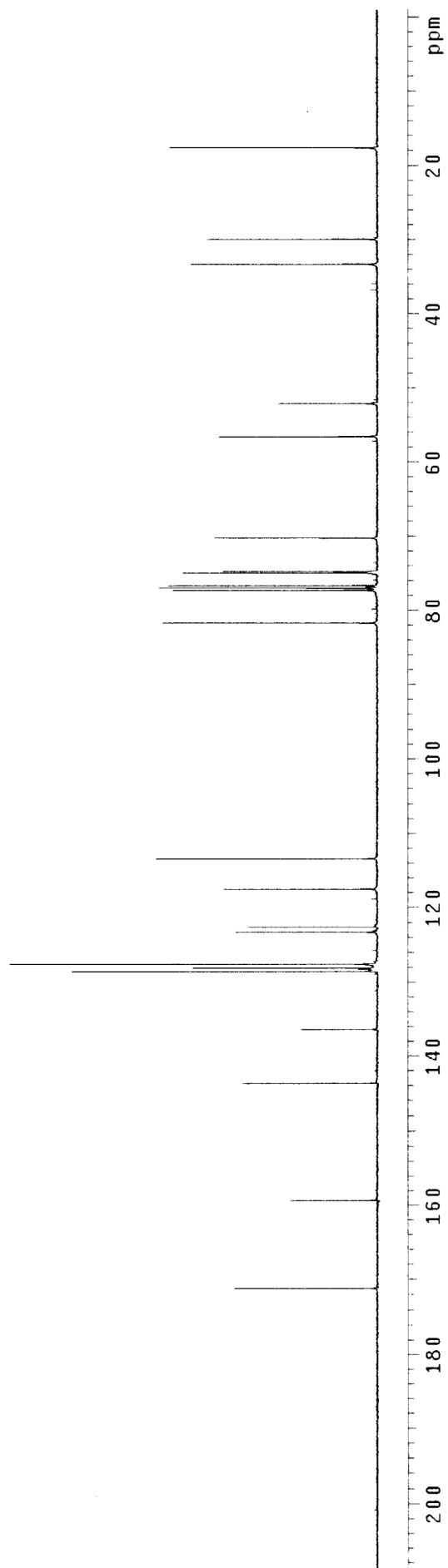
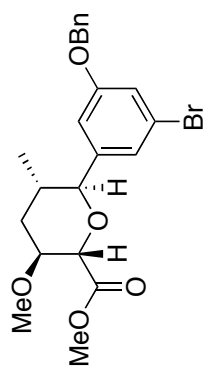


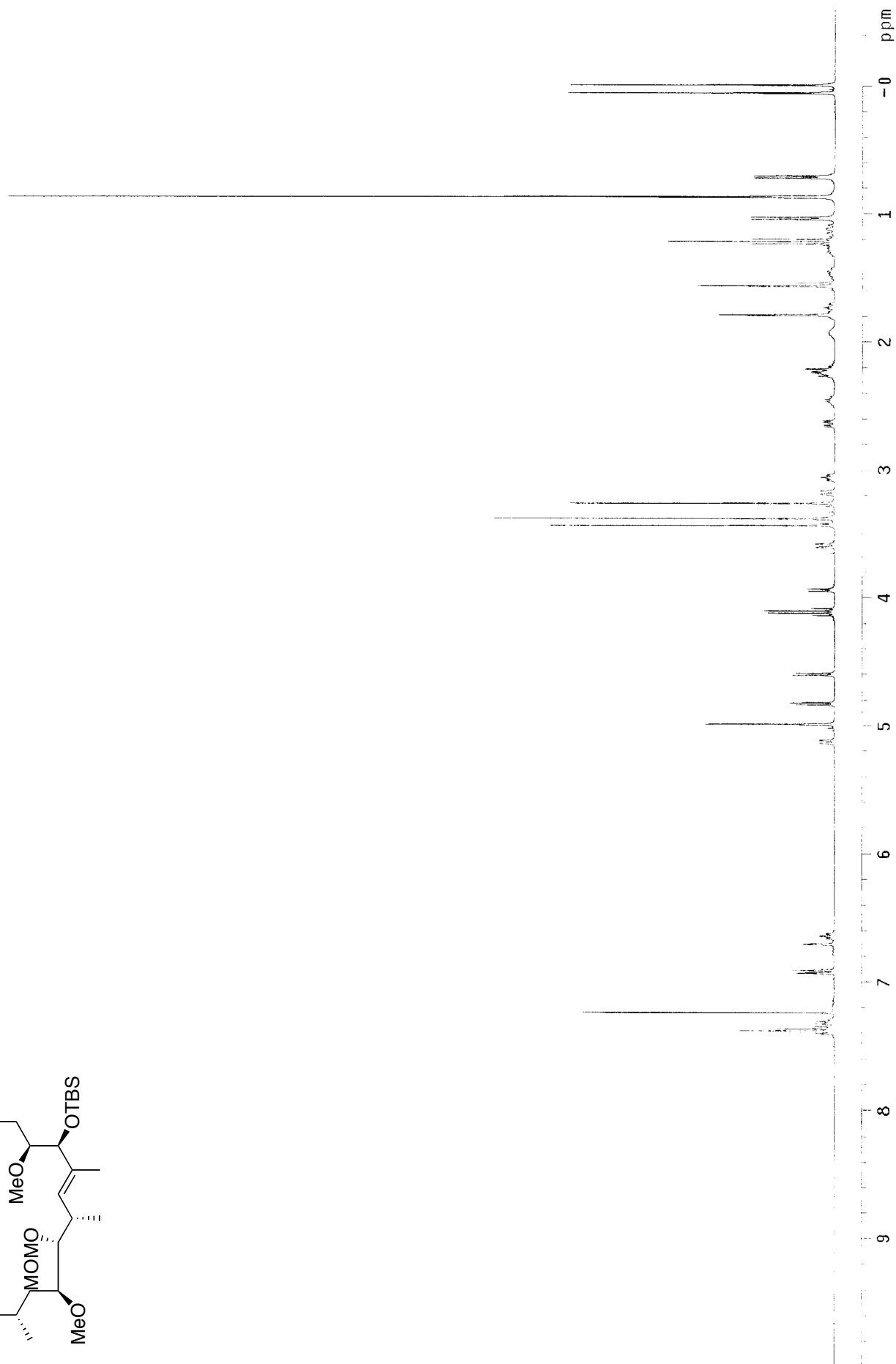
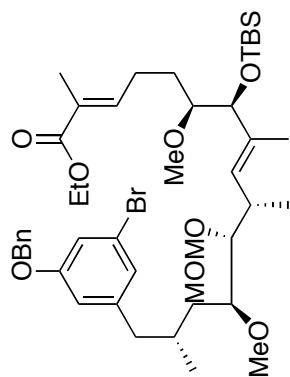


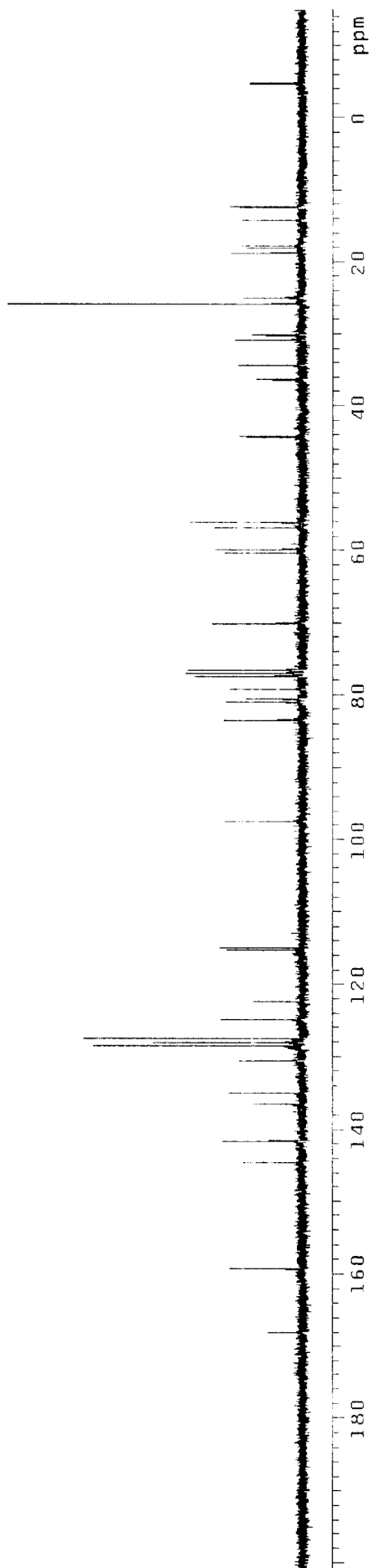
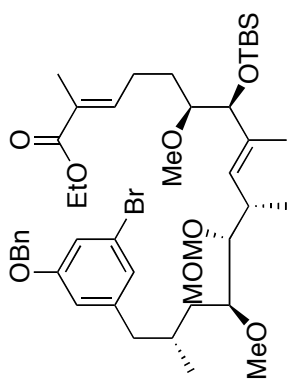


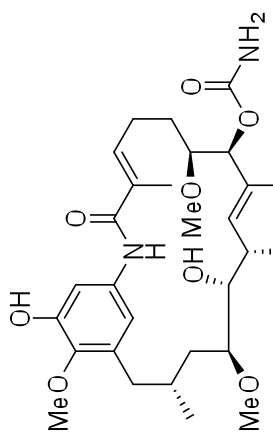




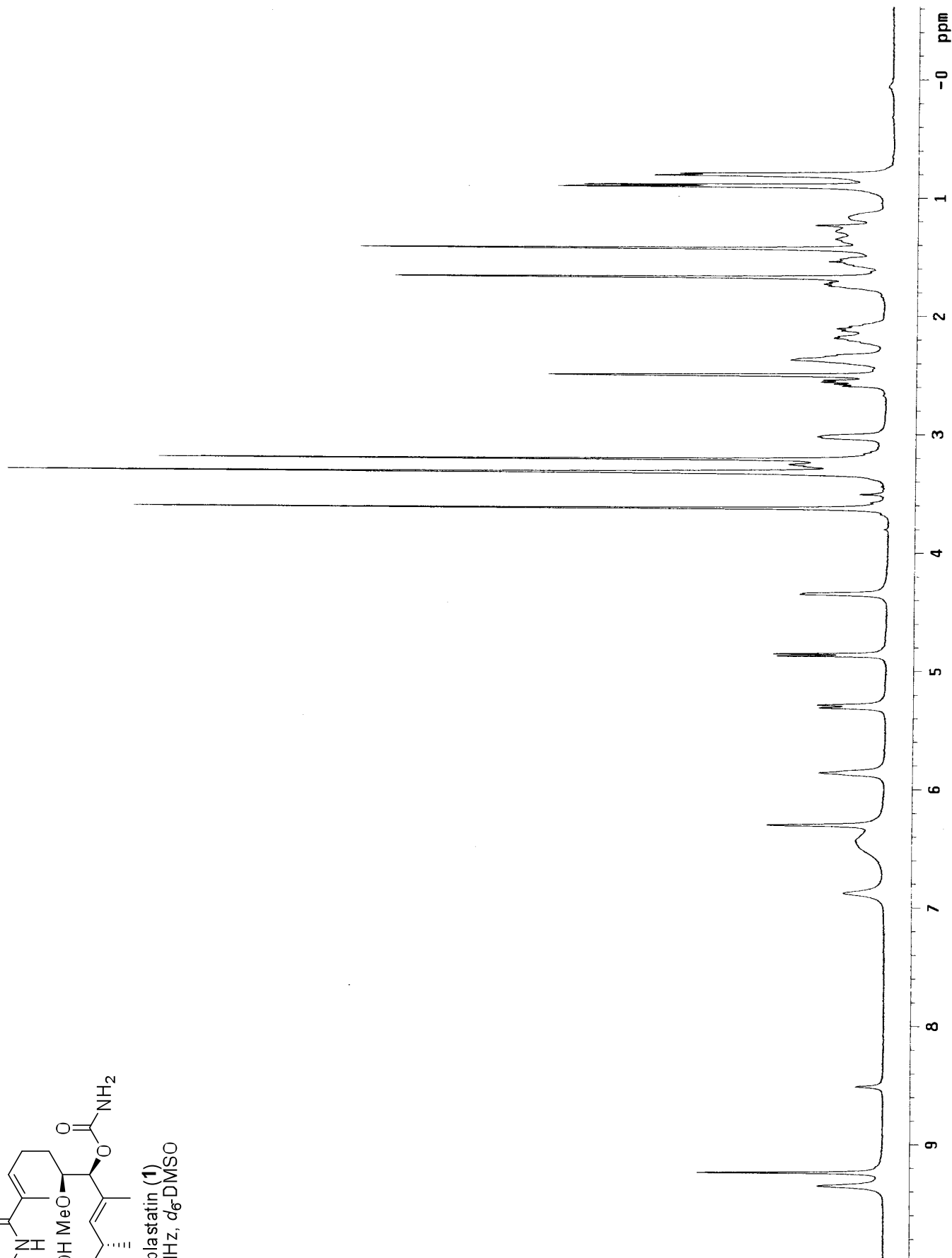


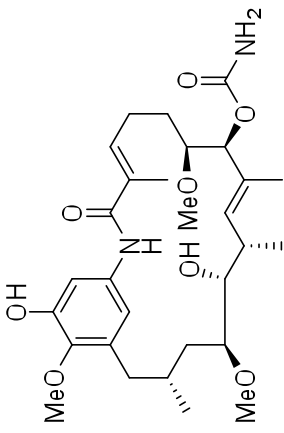




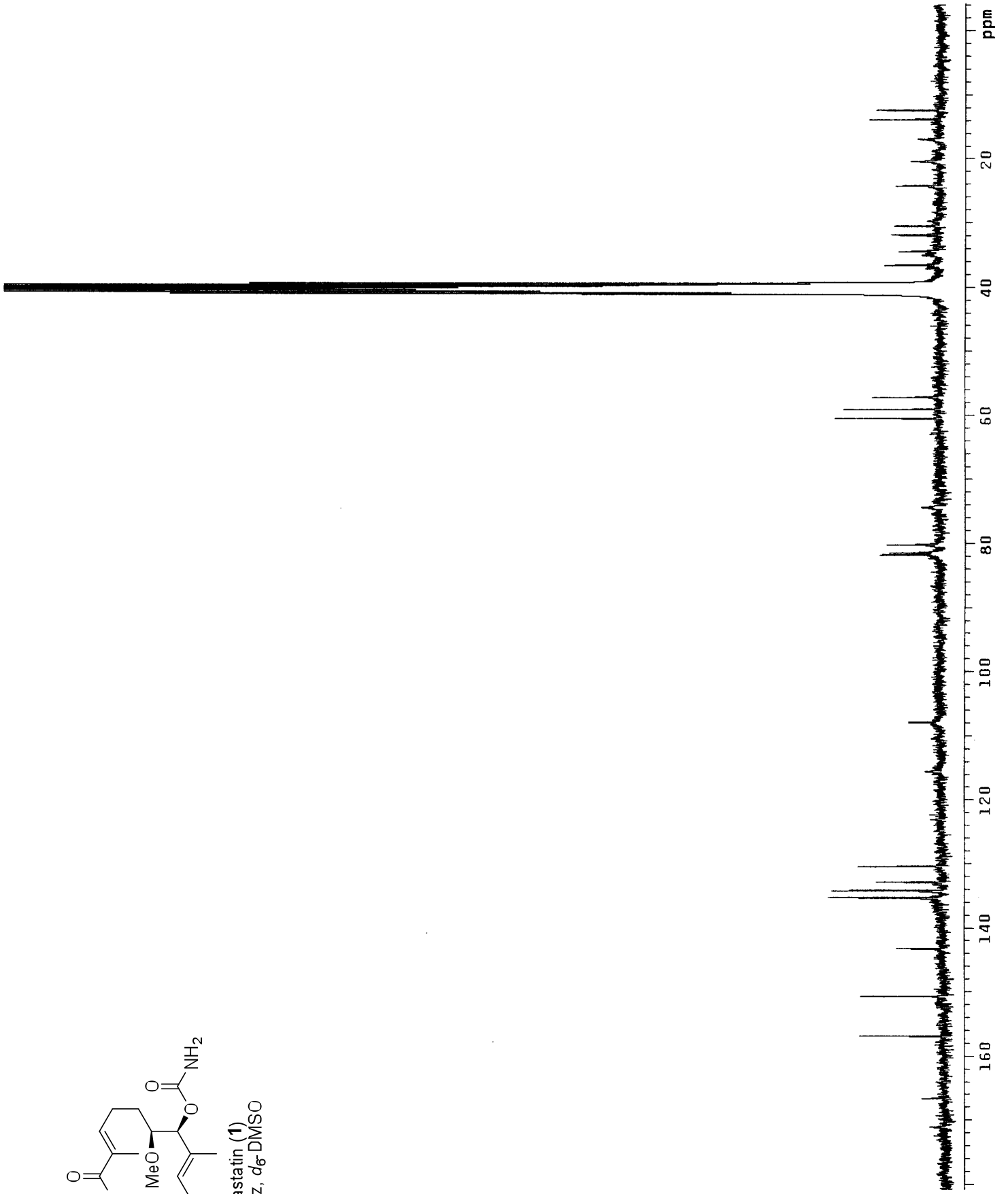


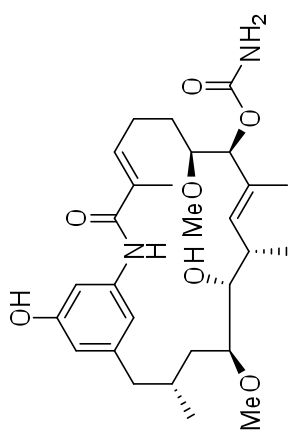
Reblastatin (1)
300 MHz, d_6 -DMSO



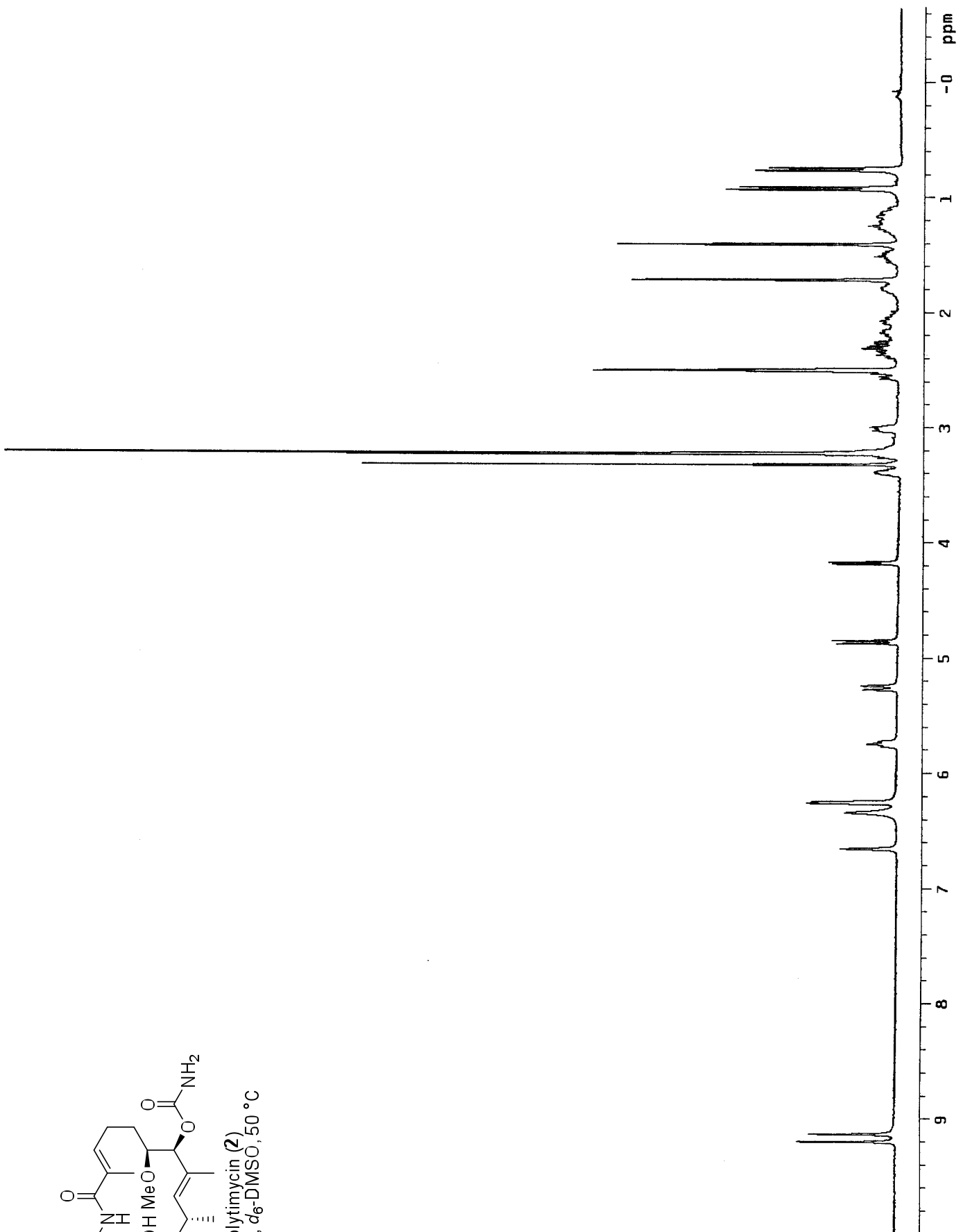


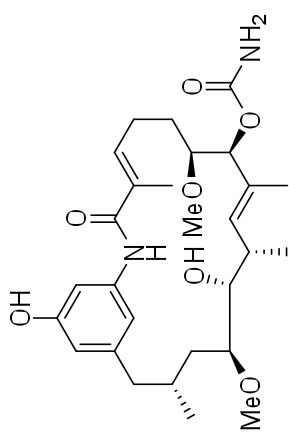
Reblastatin (1)
300 MHz, d_6 -DMSO





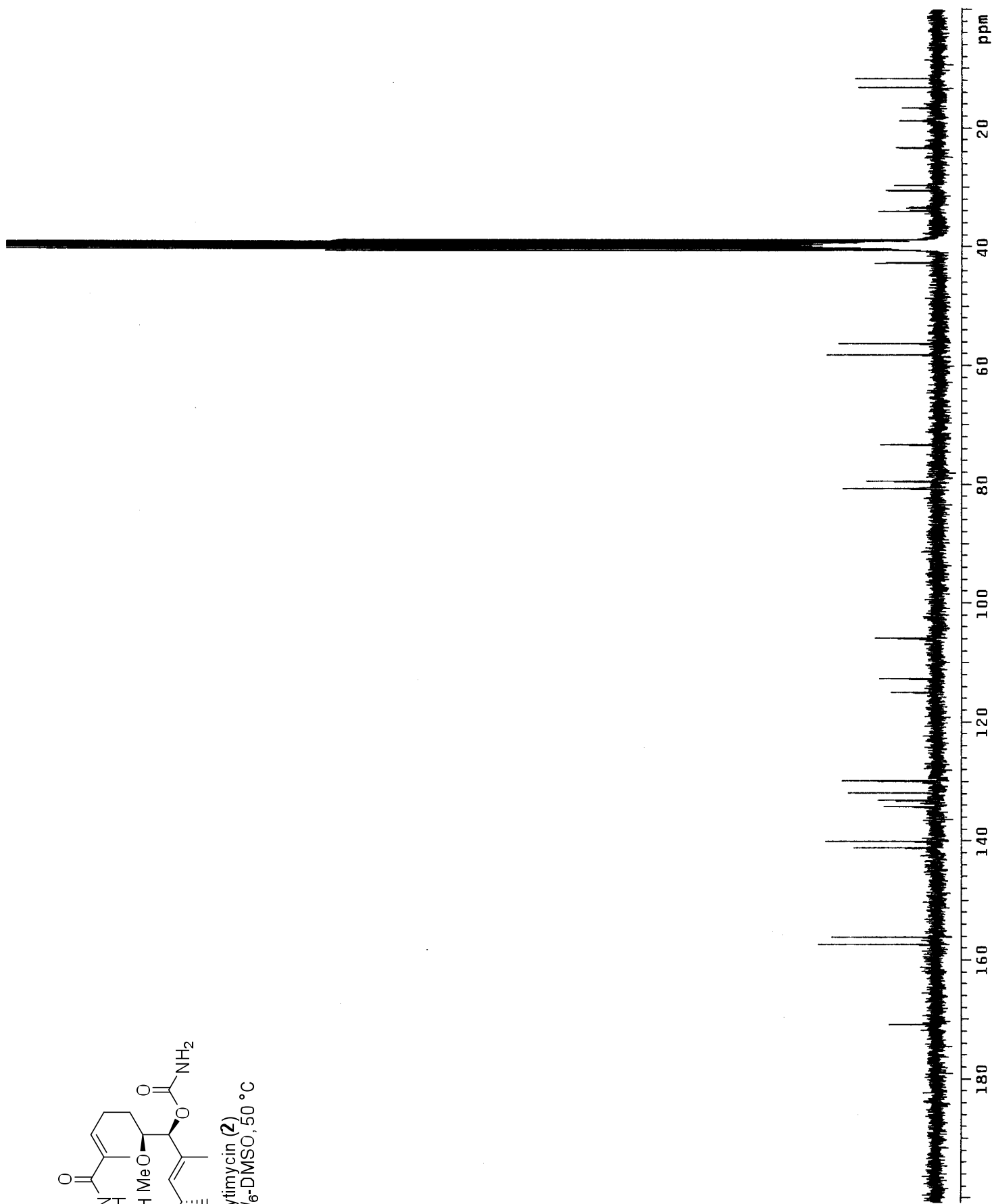
Autolytmycin (2)
300 MHz, d_6 -DMSO, 50 °C

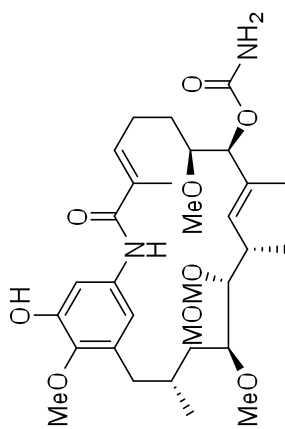




Autolytmycin (2)
75 MHz, d_6 -DMSO, 50 °C

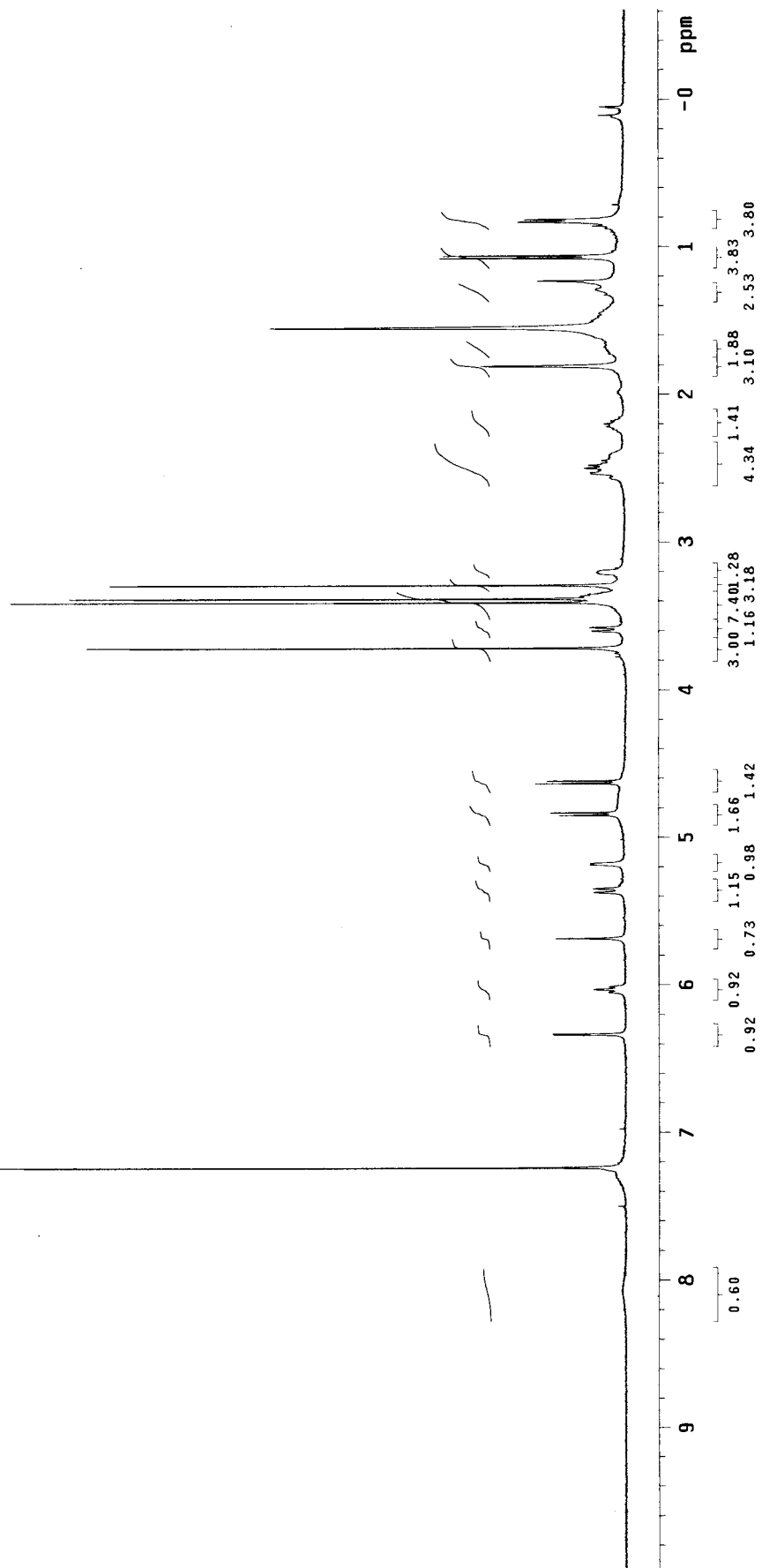
SI-75

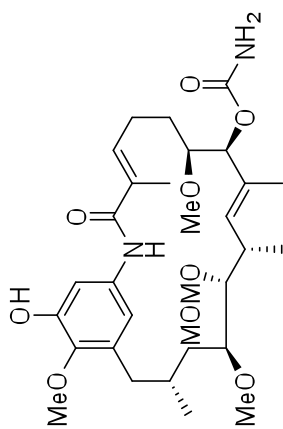




6

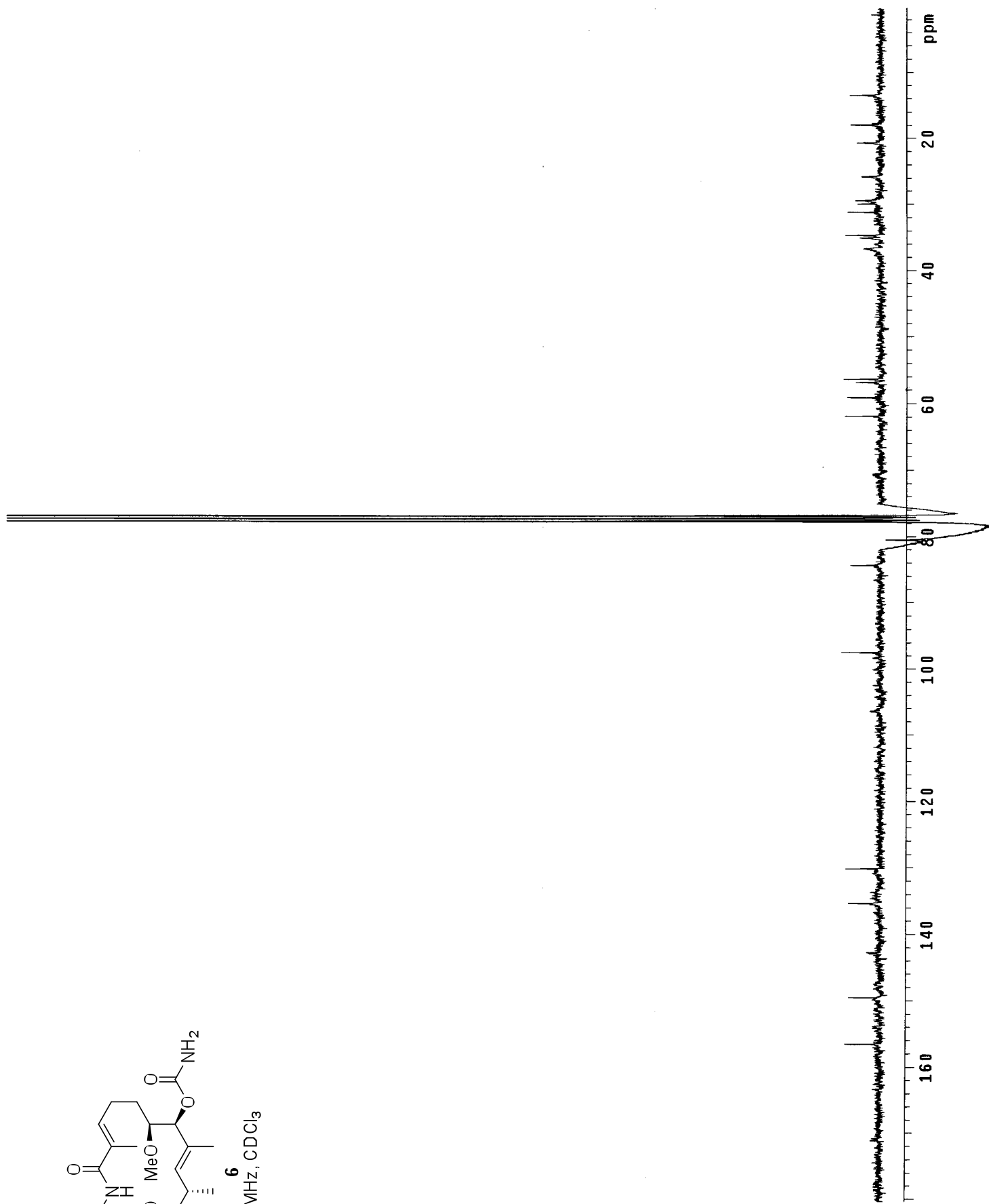
400 MHz, CDCl₃

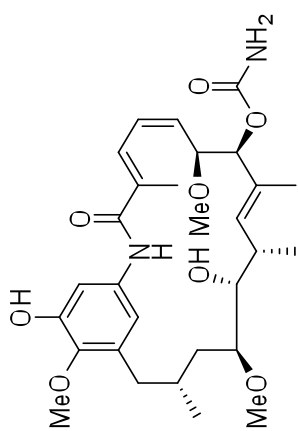




6

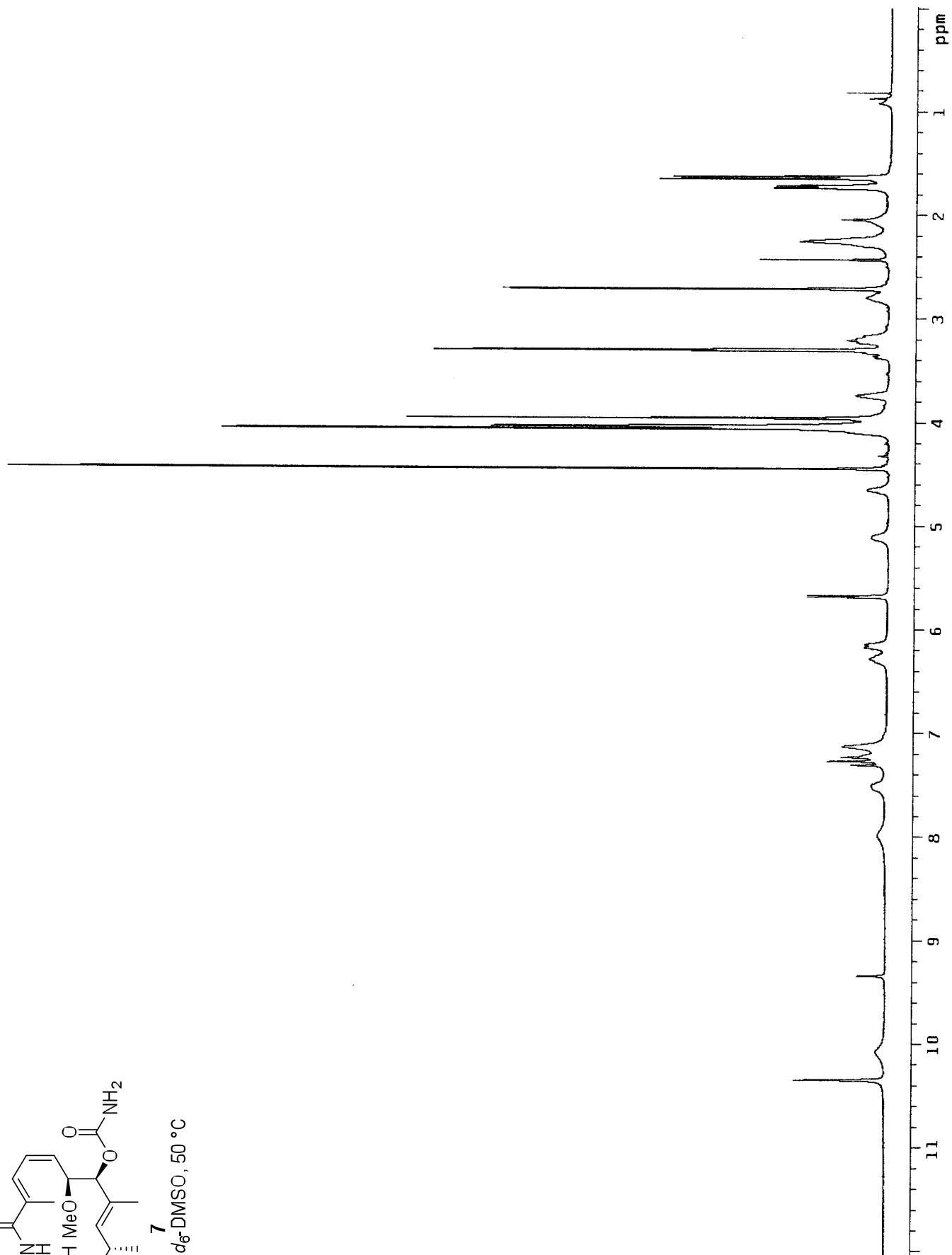
75 MHz, CDCl₃

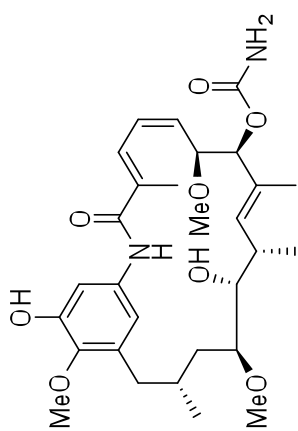




7

300 MHz, d_6 -DMSO, 50 °C

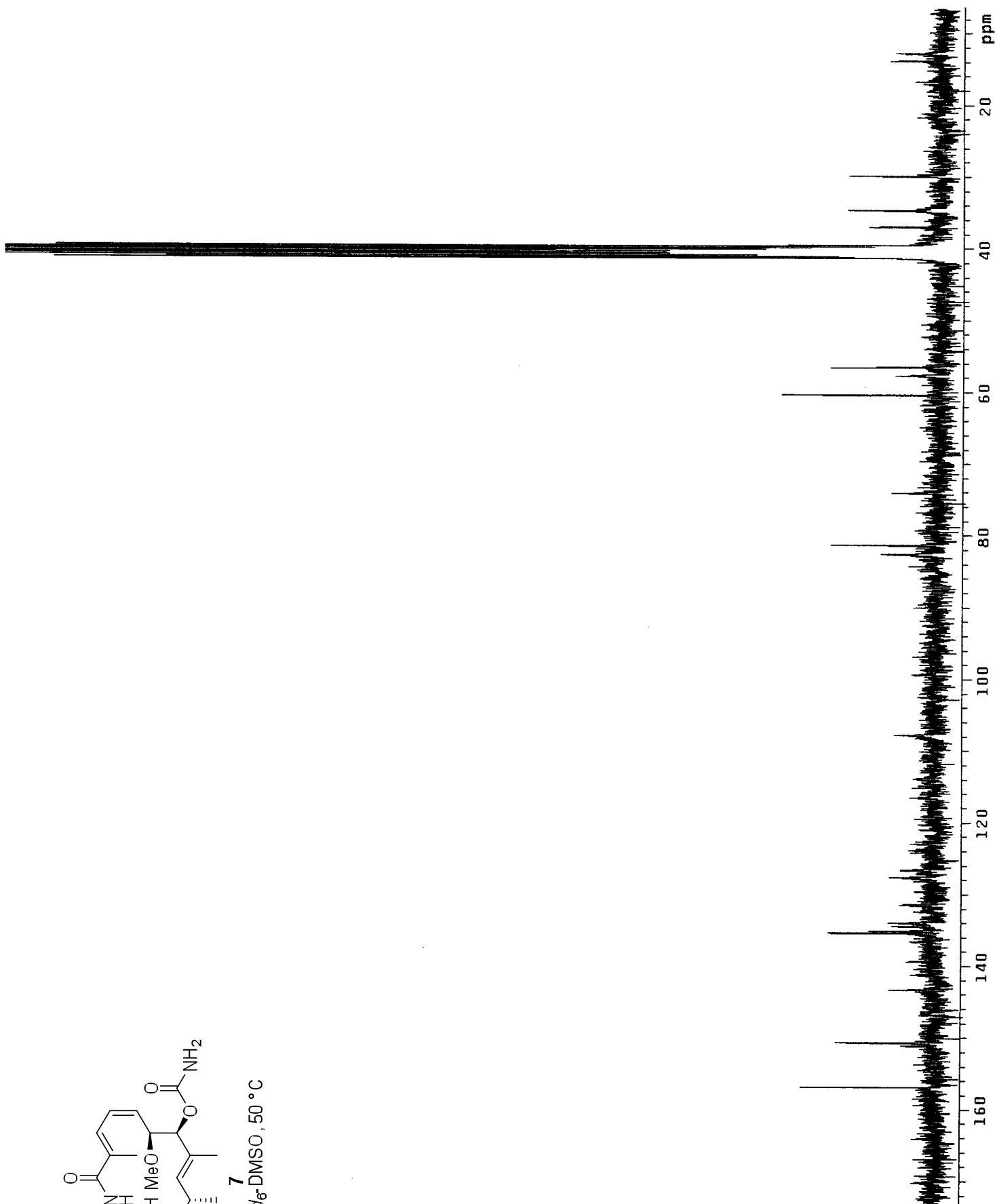


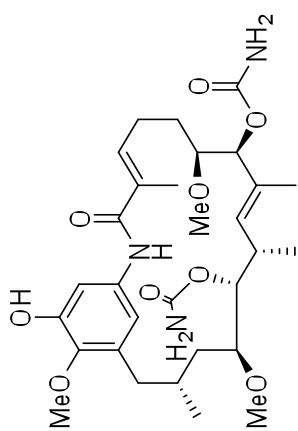


7

75 MHz, *d*₆-DMSO, 50 °C

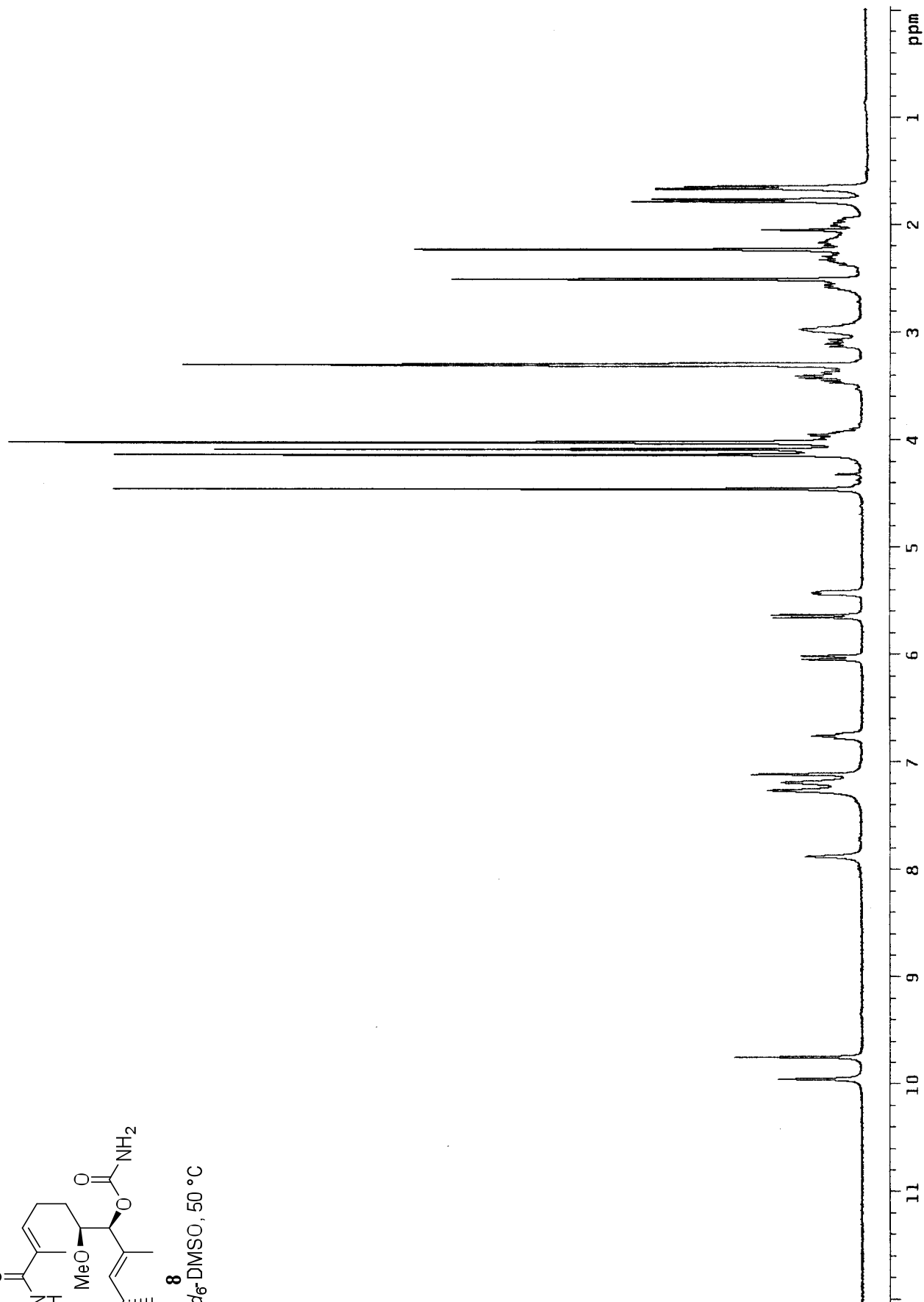
SI-79

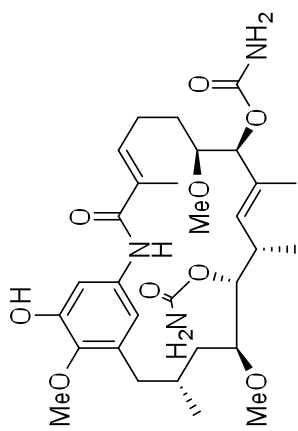




8

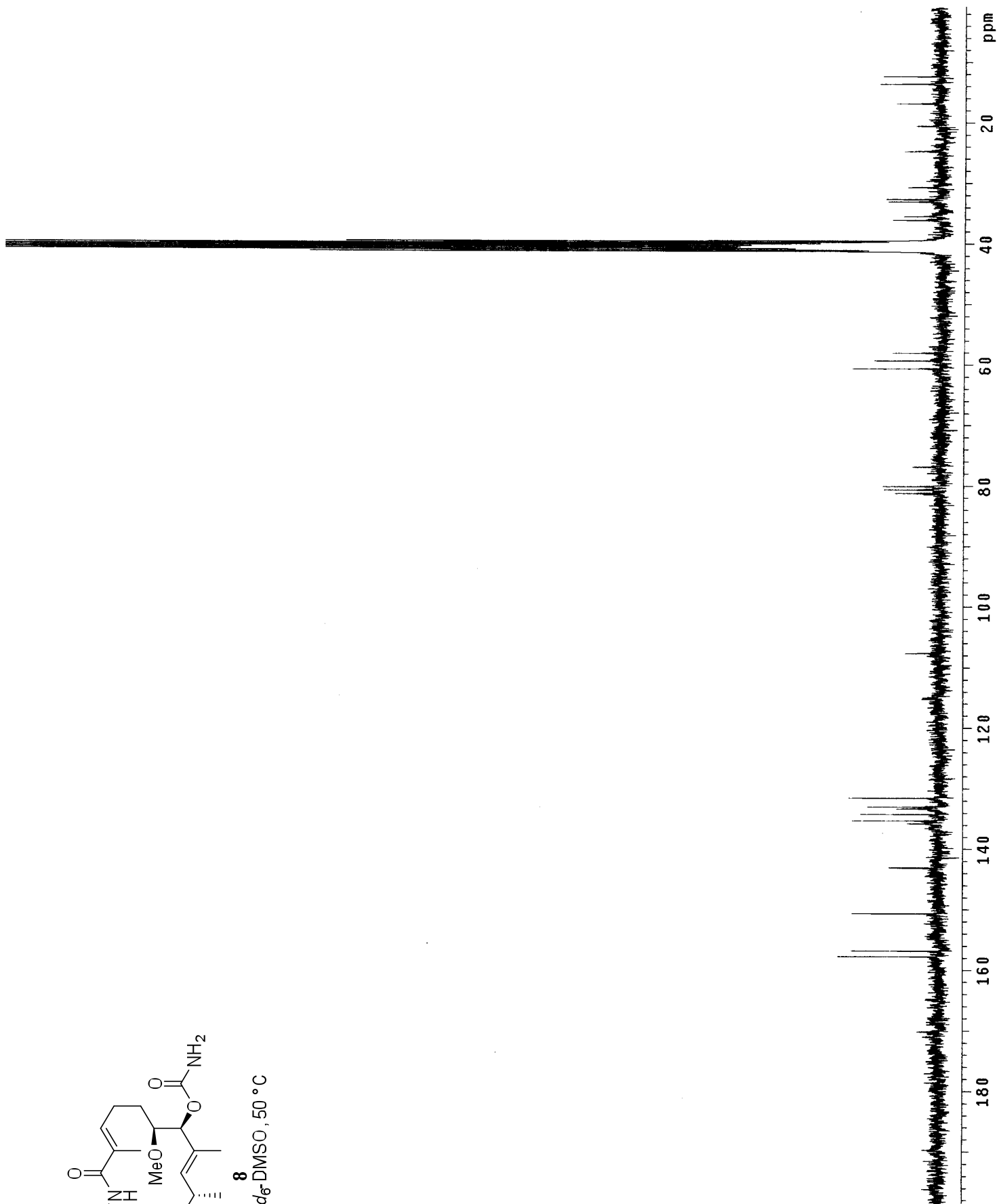
300 MHz, d_6 -DMSO, 50 °C

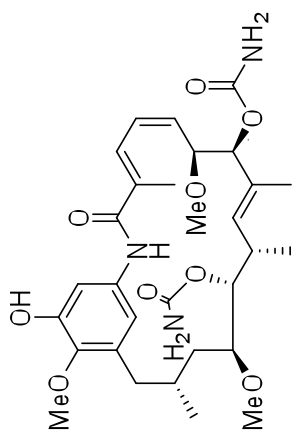




8

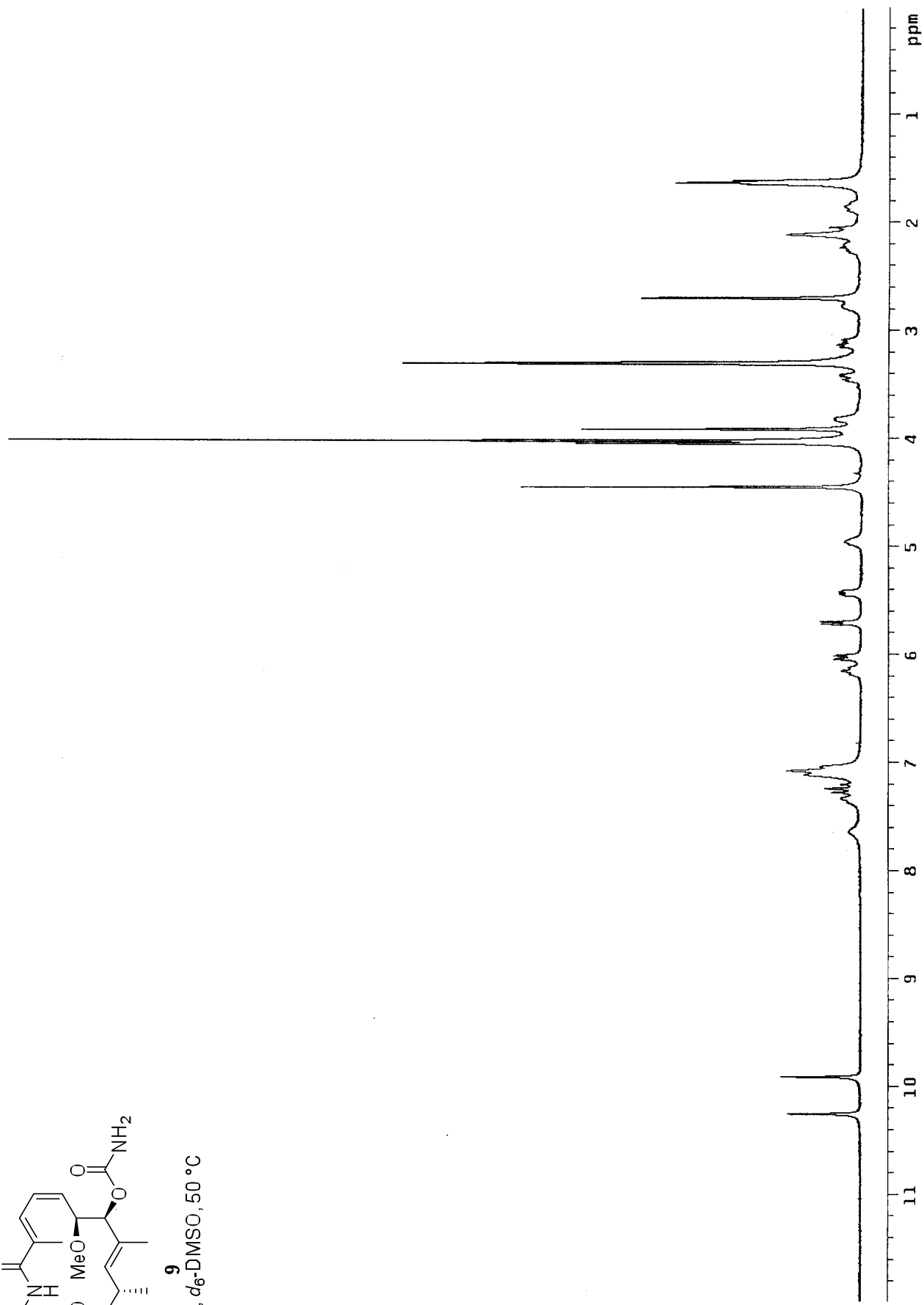
75 MHz, *d*₆-DMSO, 50 °C

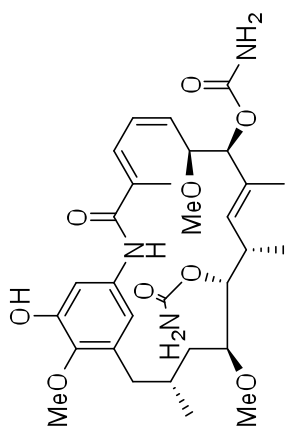




9

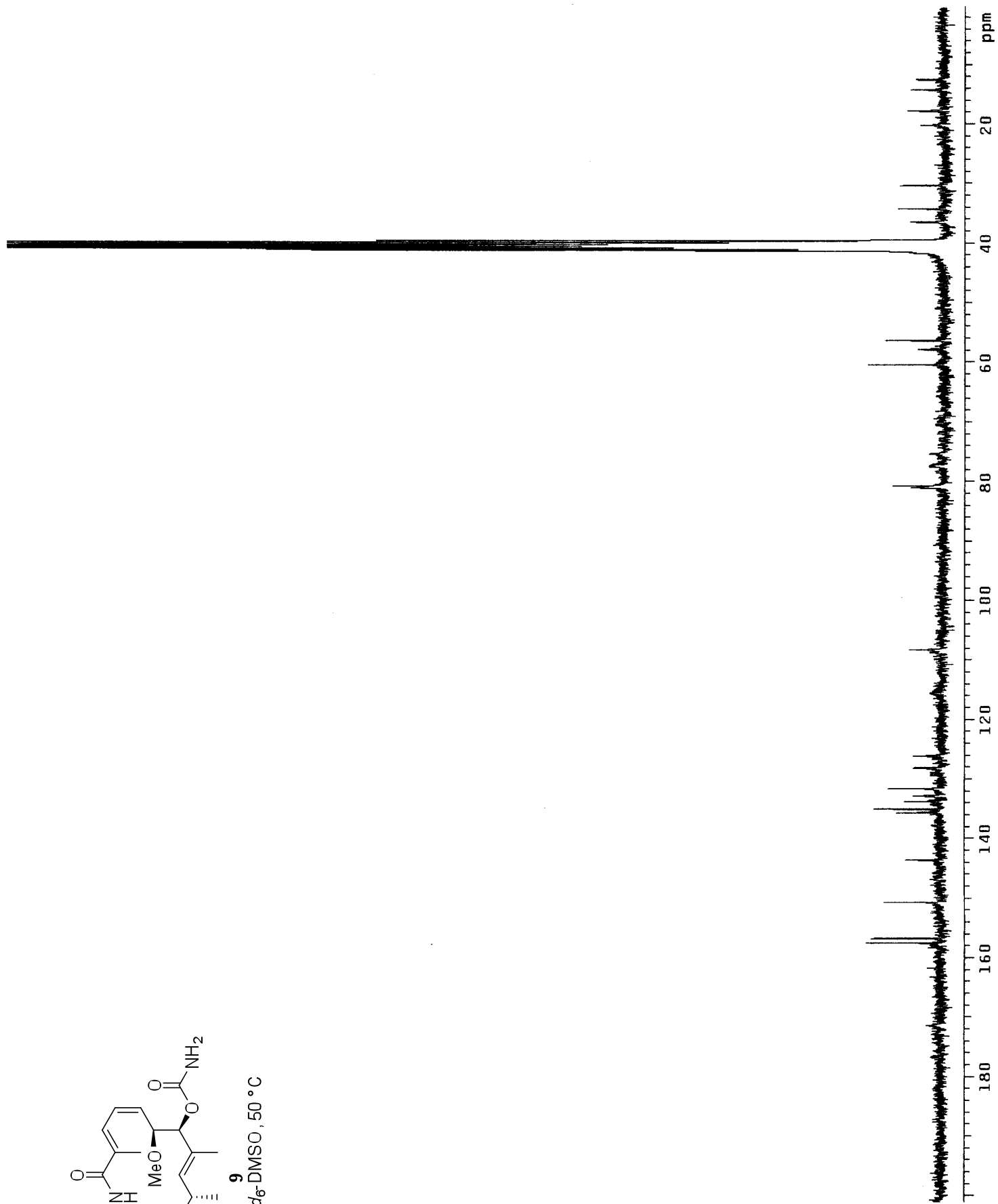
400 MHz, *d*₆-DMSO, 50 °C

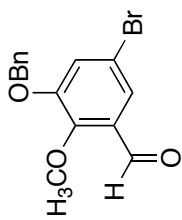




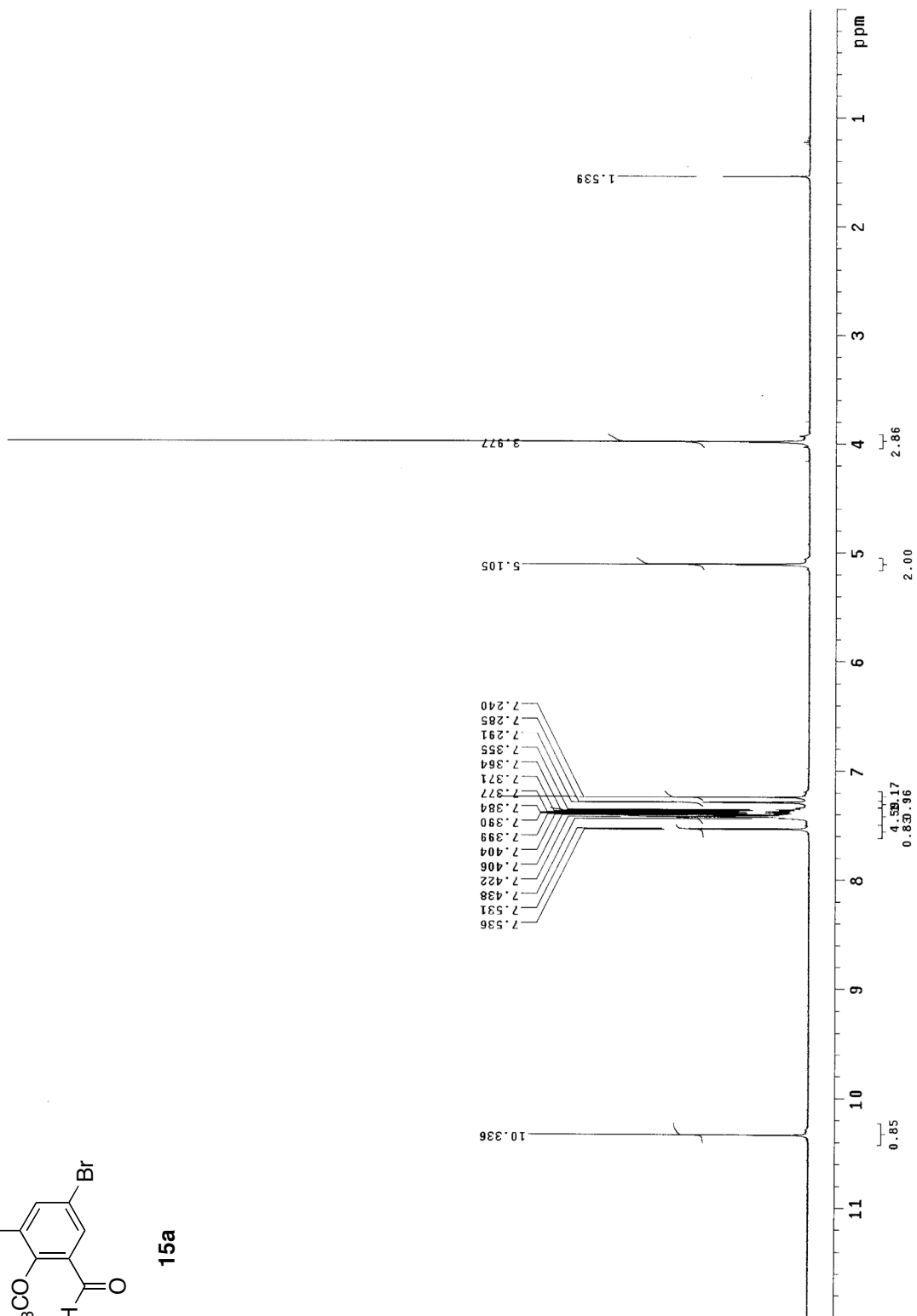
9

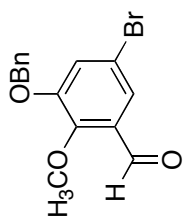
75 MHz, d_6 -DMSO, 50 °C



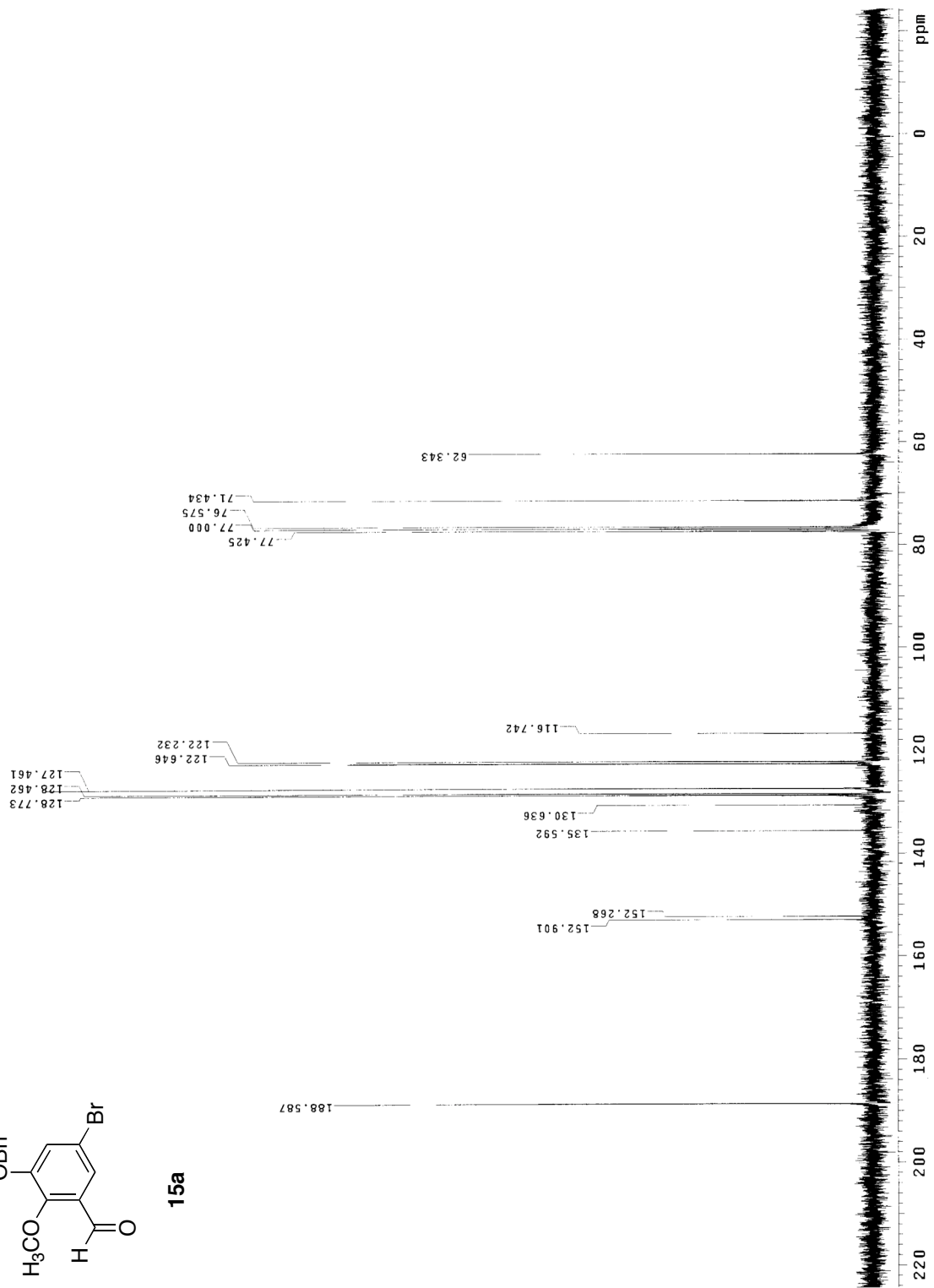


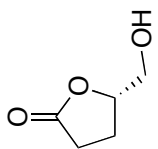
15a



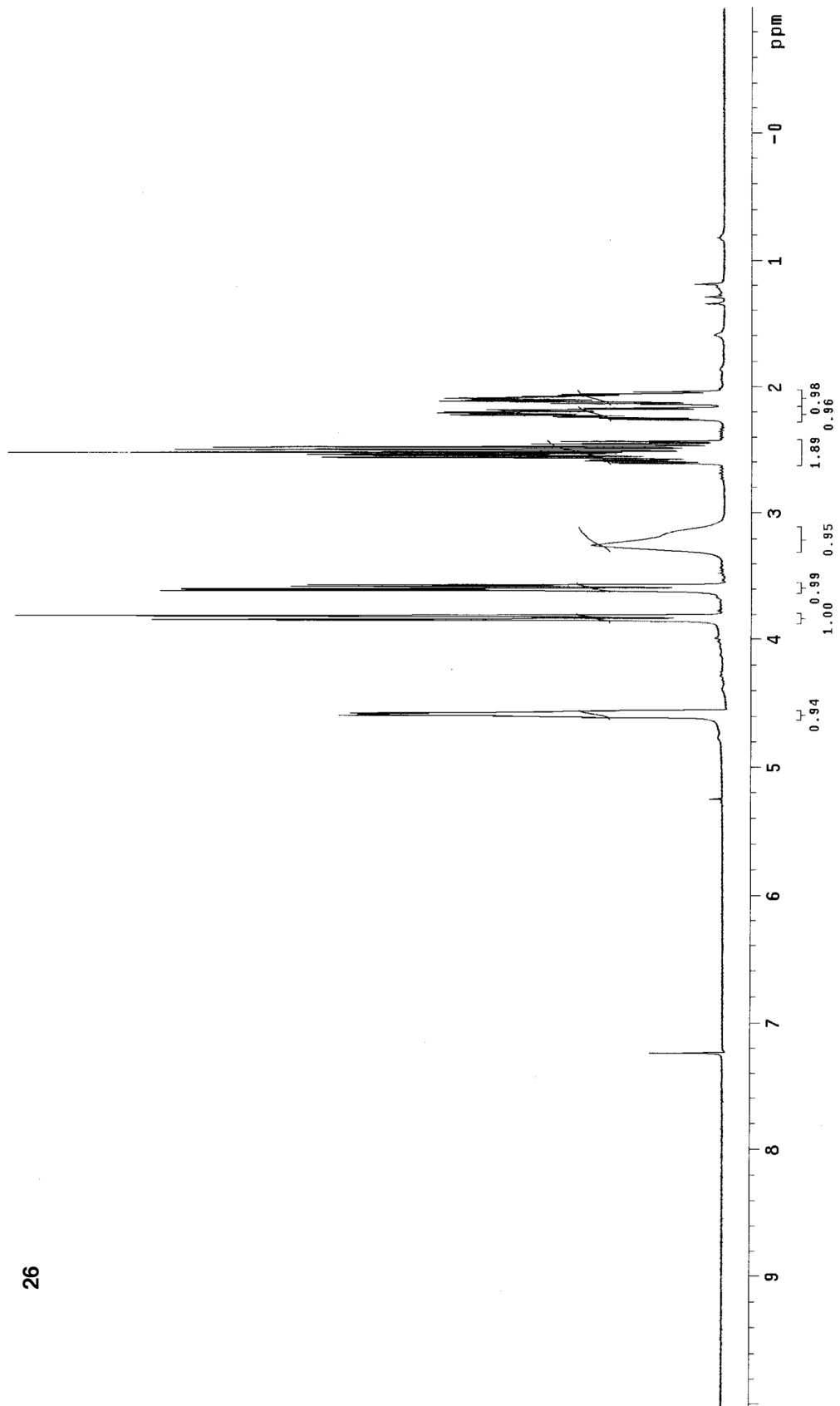


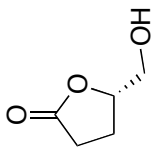
15a



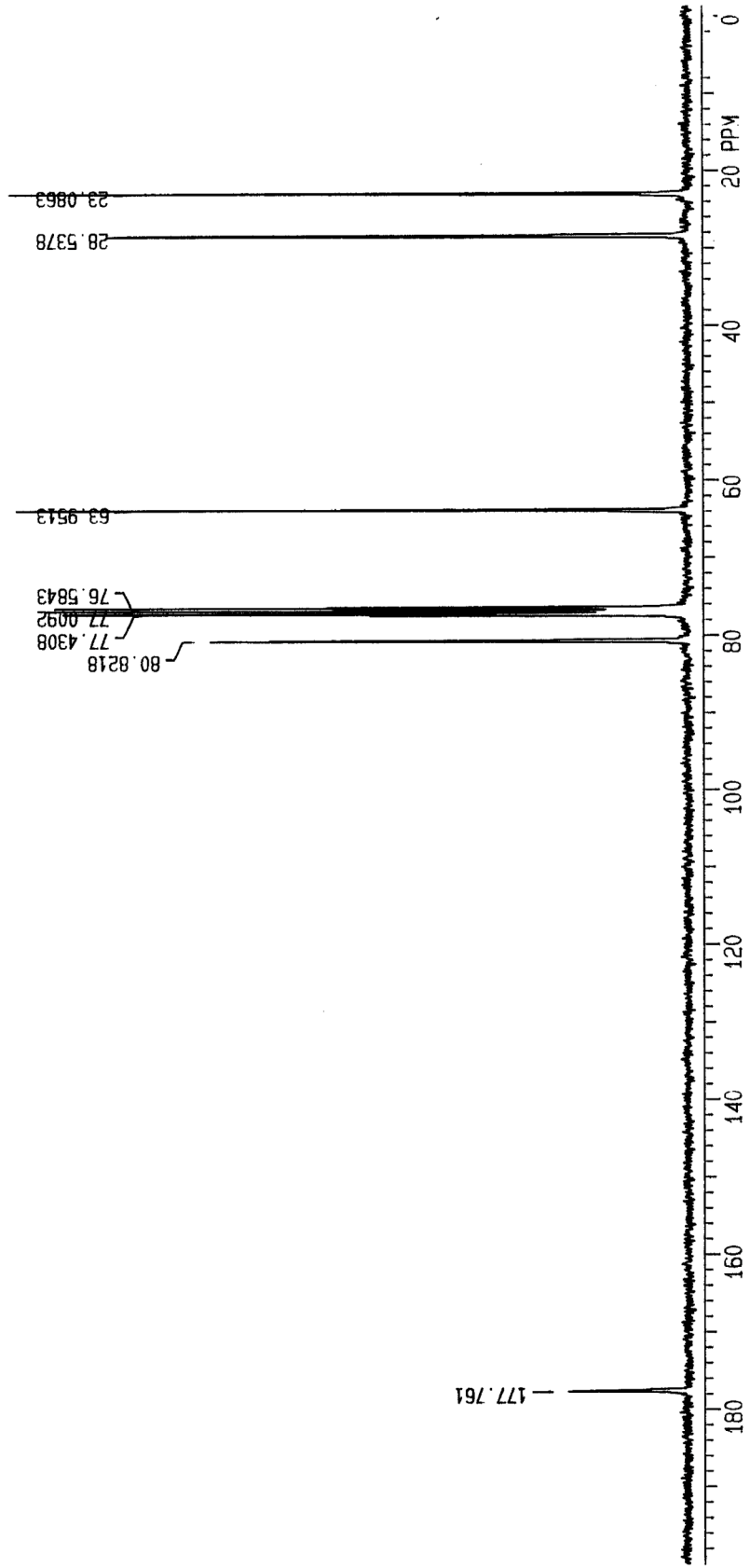


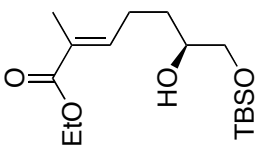
26



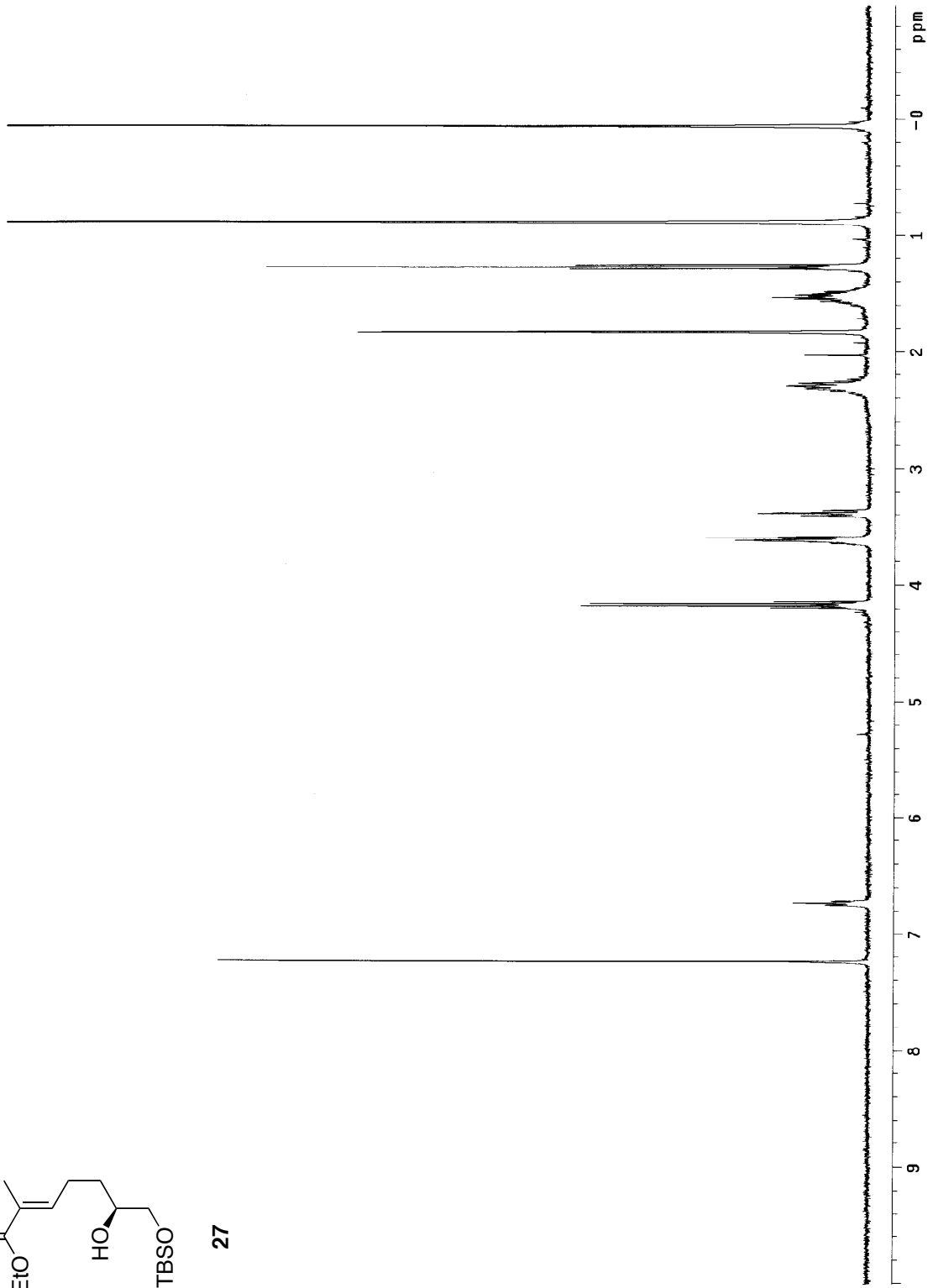


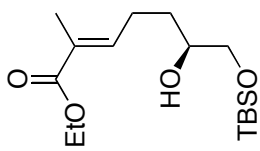
26



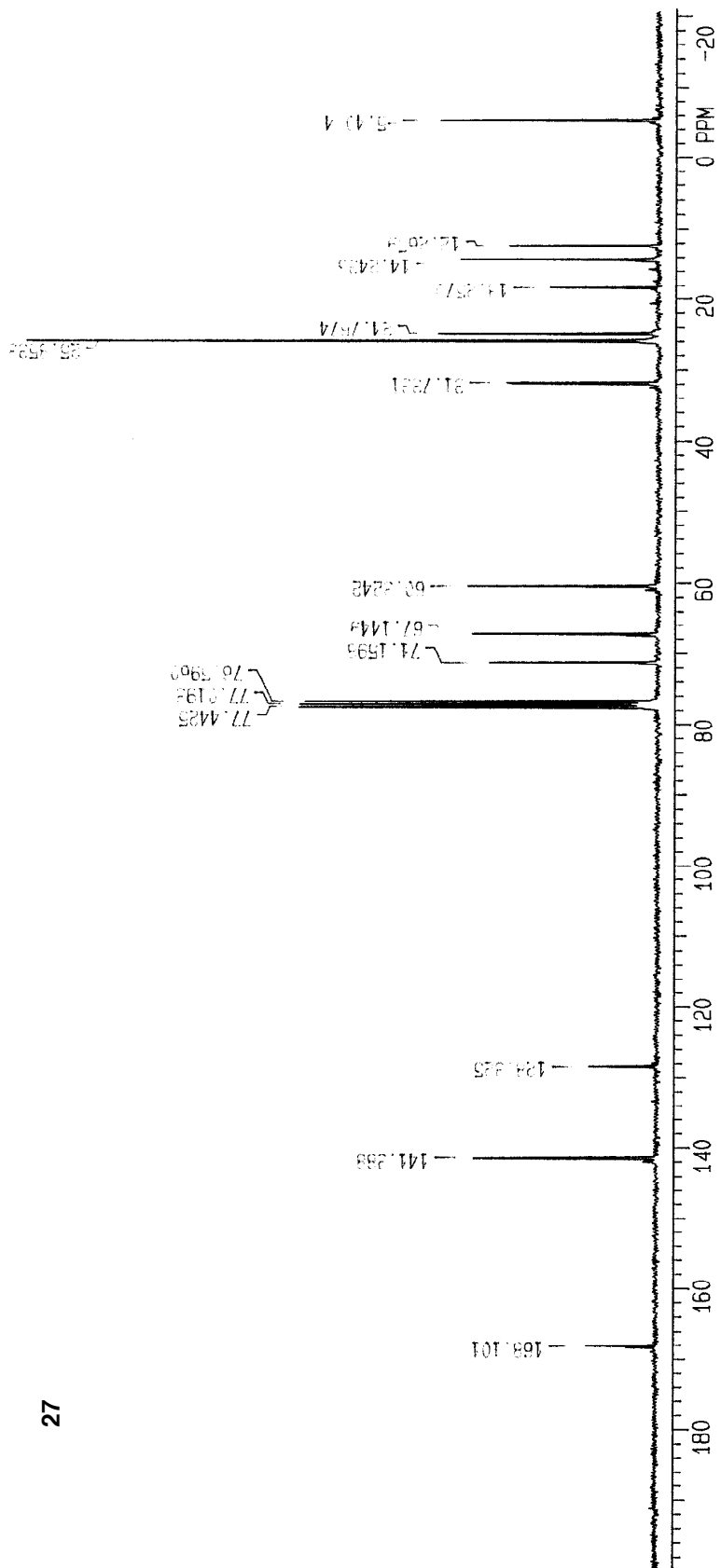


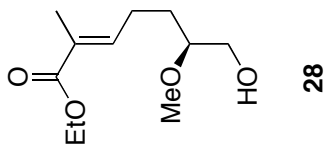
27



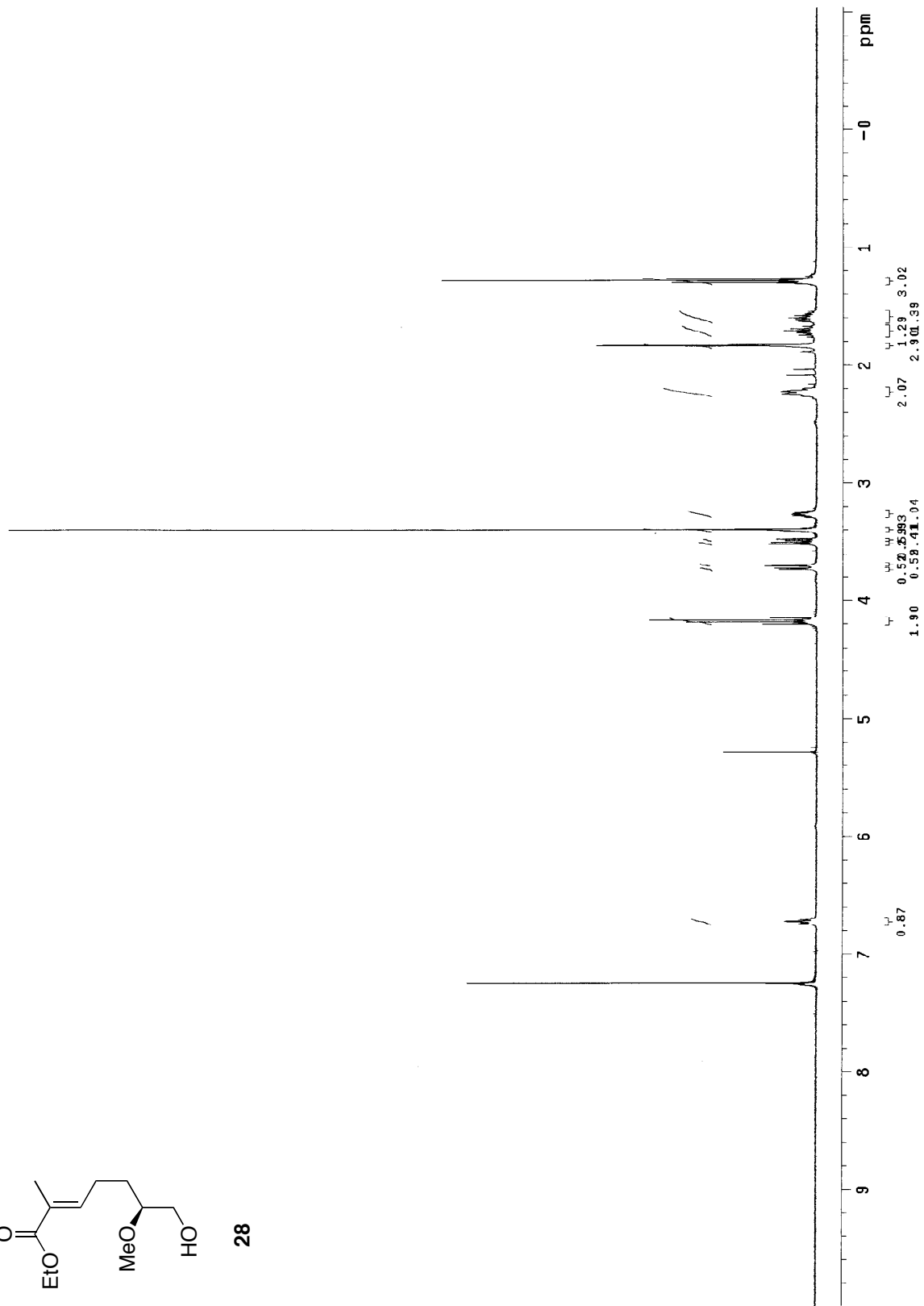


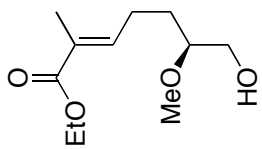
27





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