

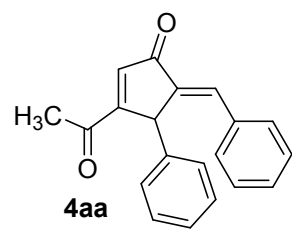
Supporting Information-II

Organocatalytic Umpolung Annulative Dimerization of Ynones for the Synthesis of 5-Alkylidene-2-cyclopentenones

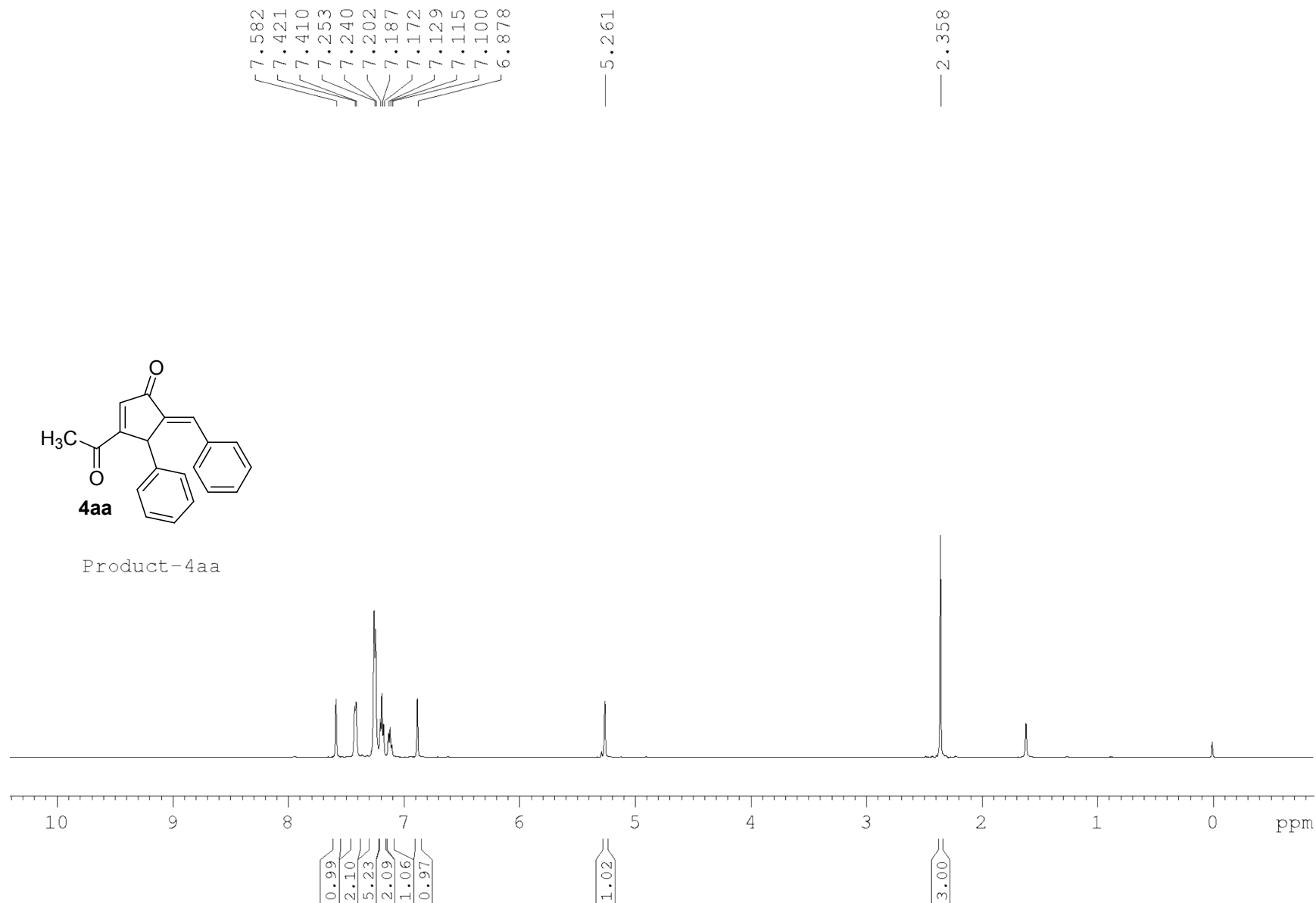
Dhevalapally B. Ramachary,* T. Prabhakar Reddy, and A. Suresh Kumar

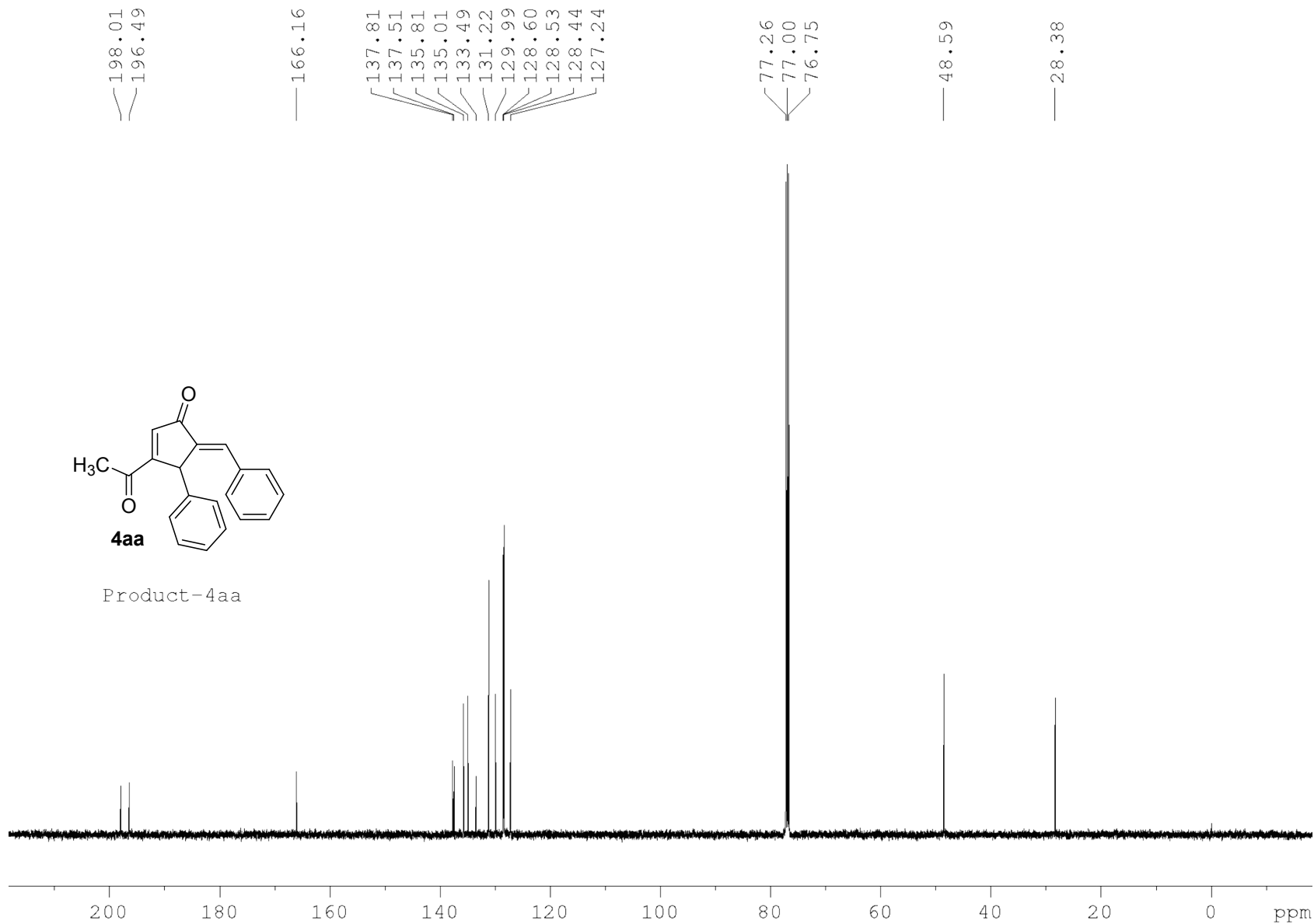
*Catalysis Laboratory, School of Chemistry, University of Hyderabad, Central University (P.O.),
Hyderabad 500 046, India*

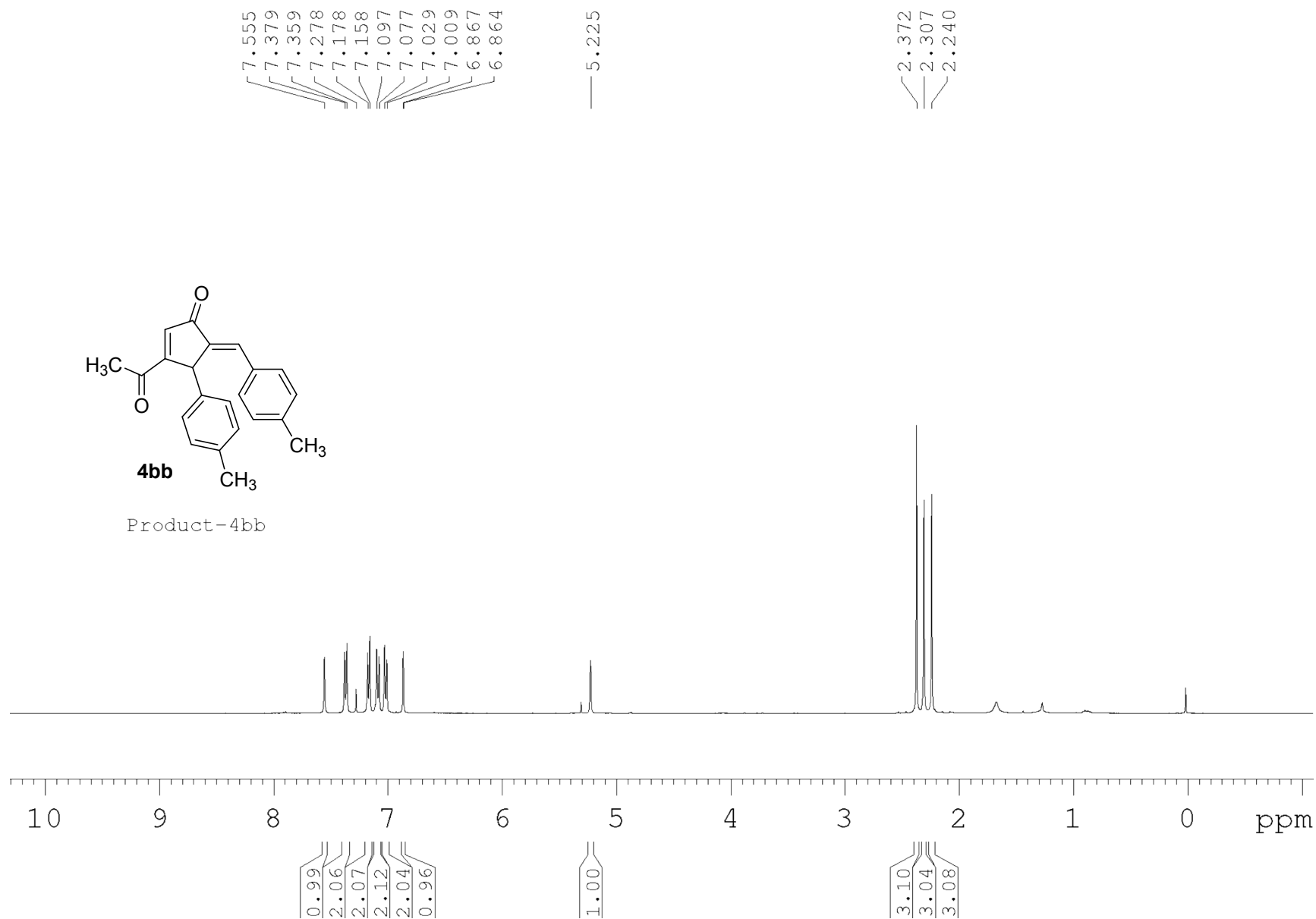
Email: ramsc@uohyd.ac.in and ramchary.db@gmail.com

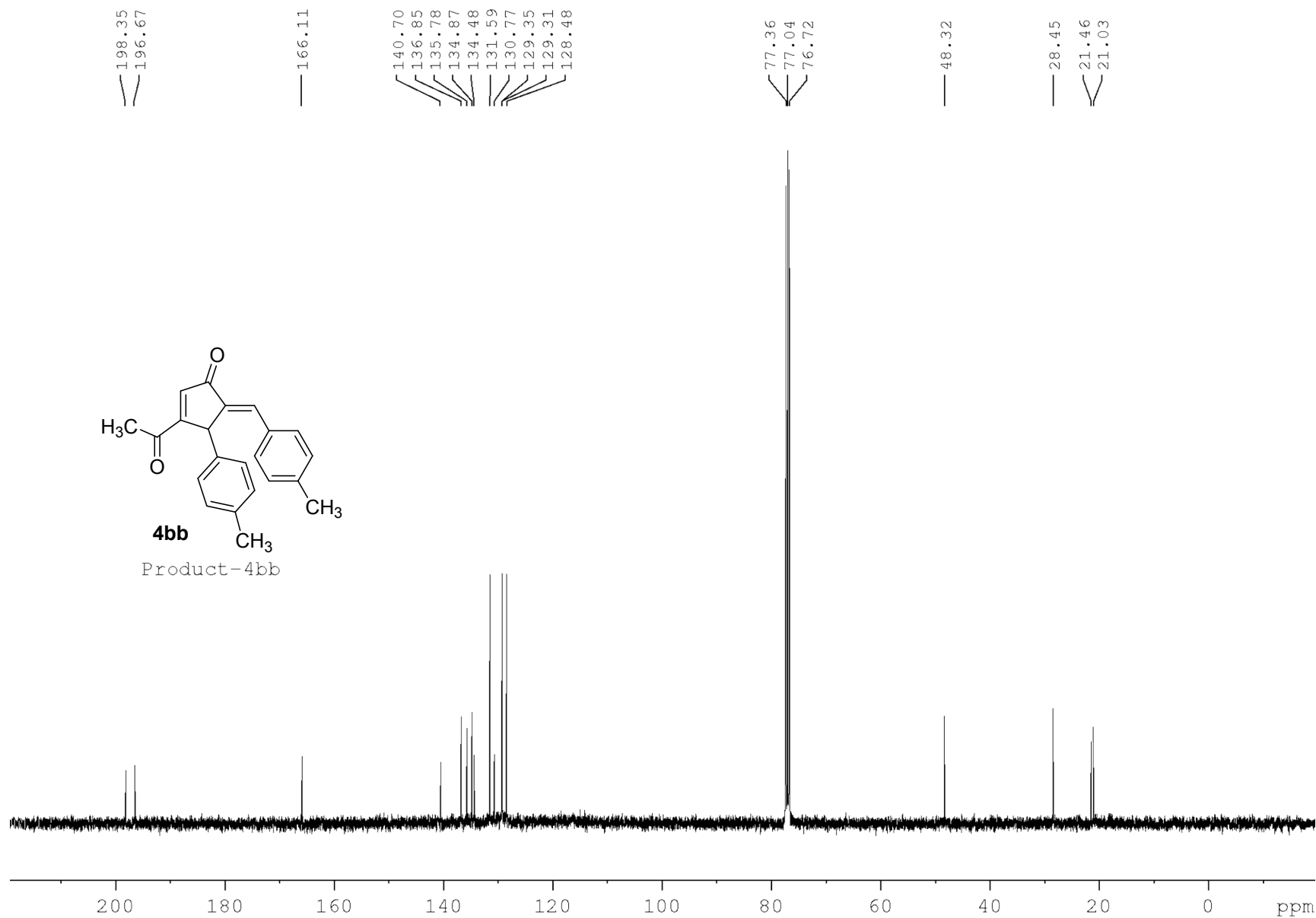


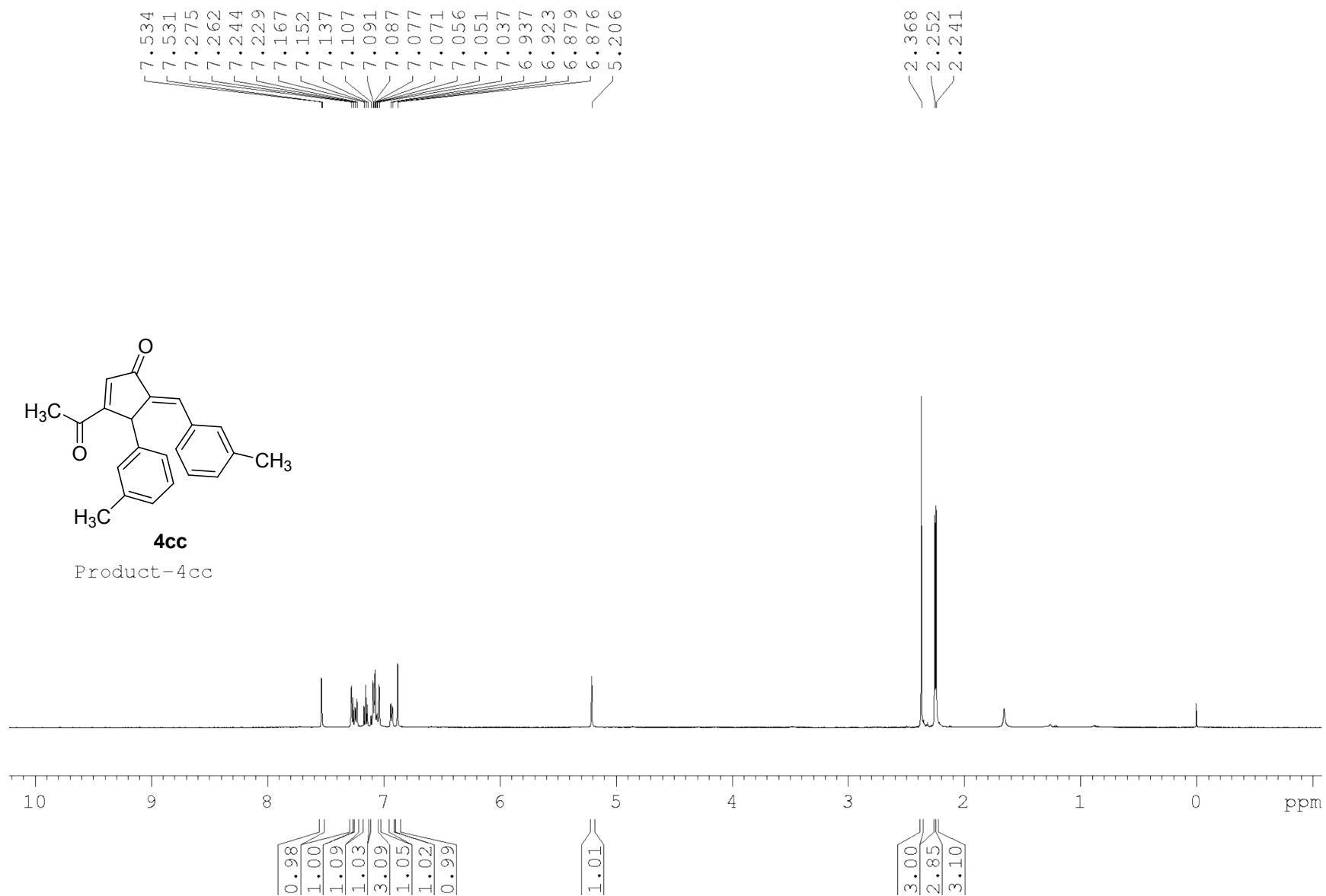
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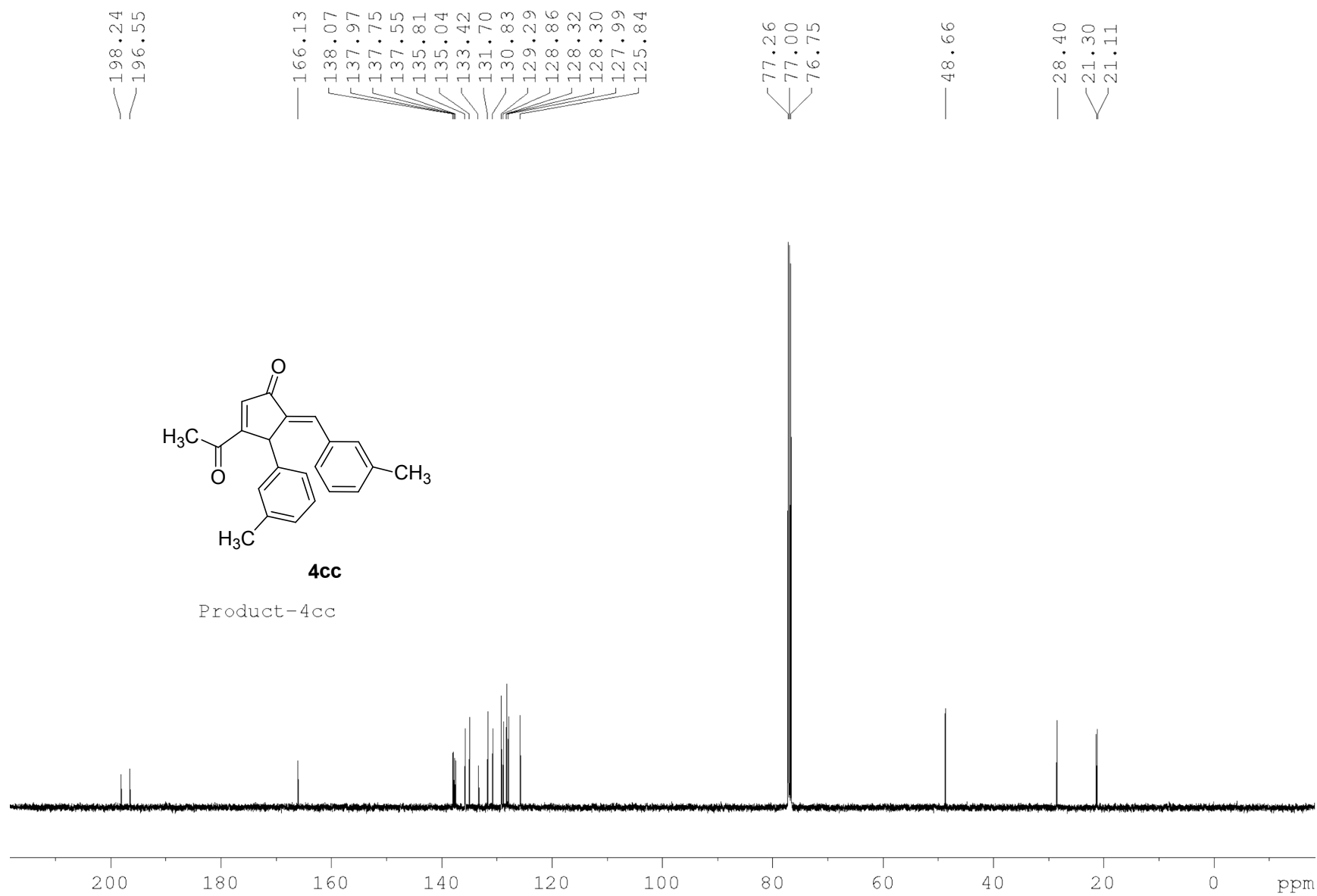


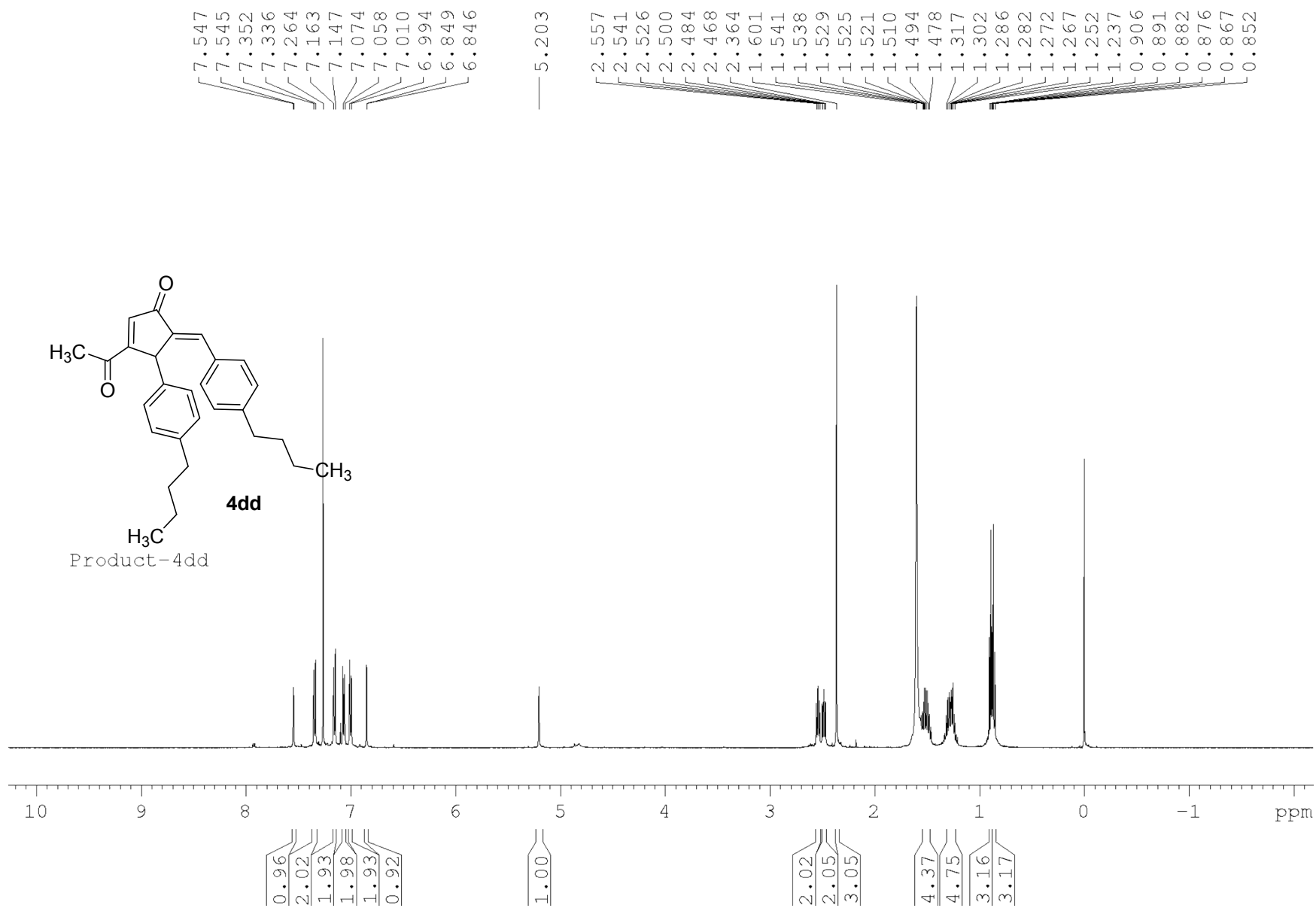


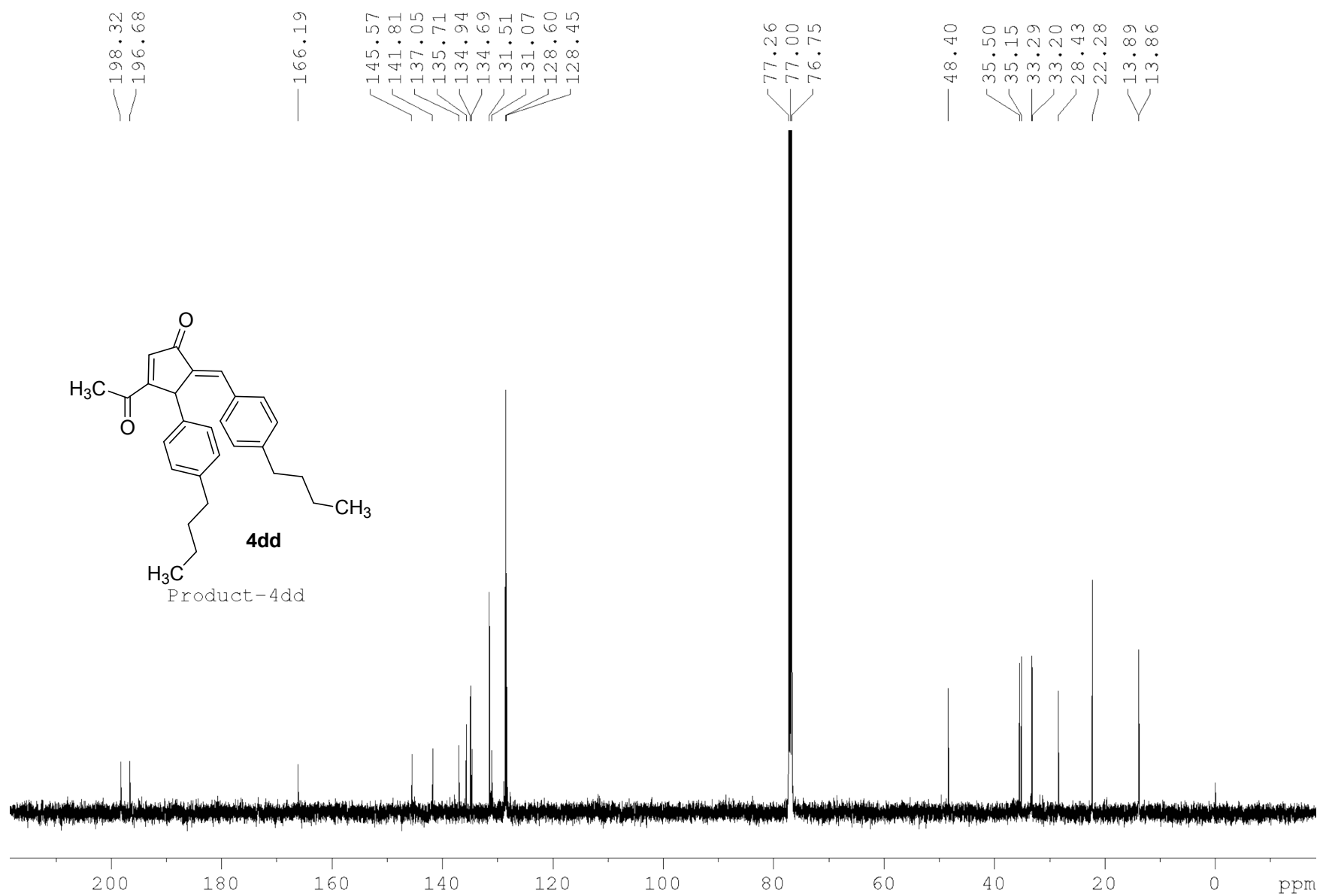


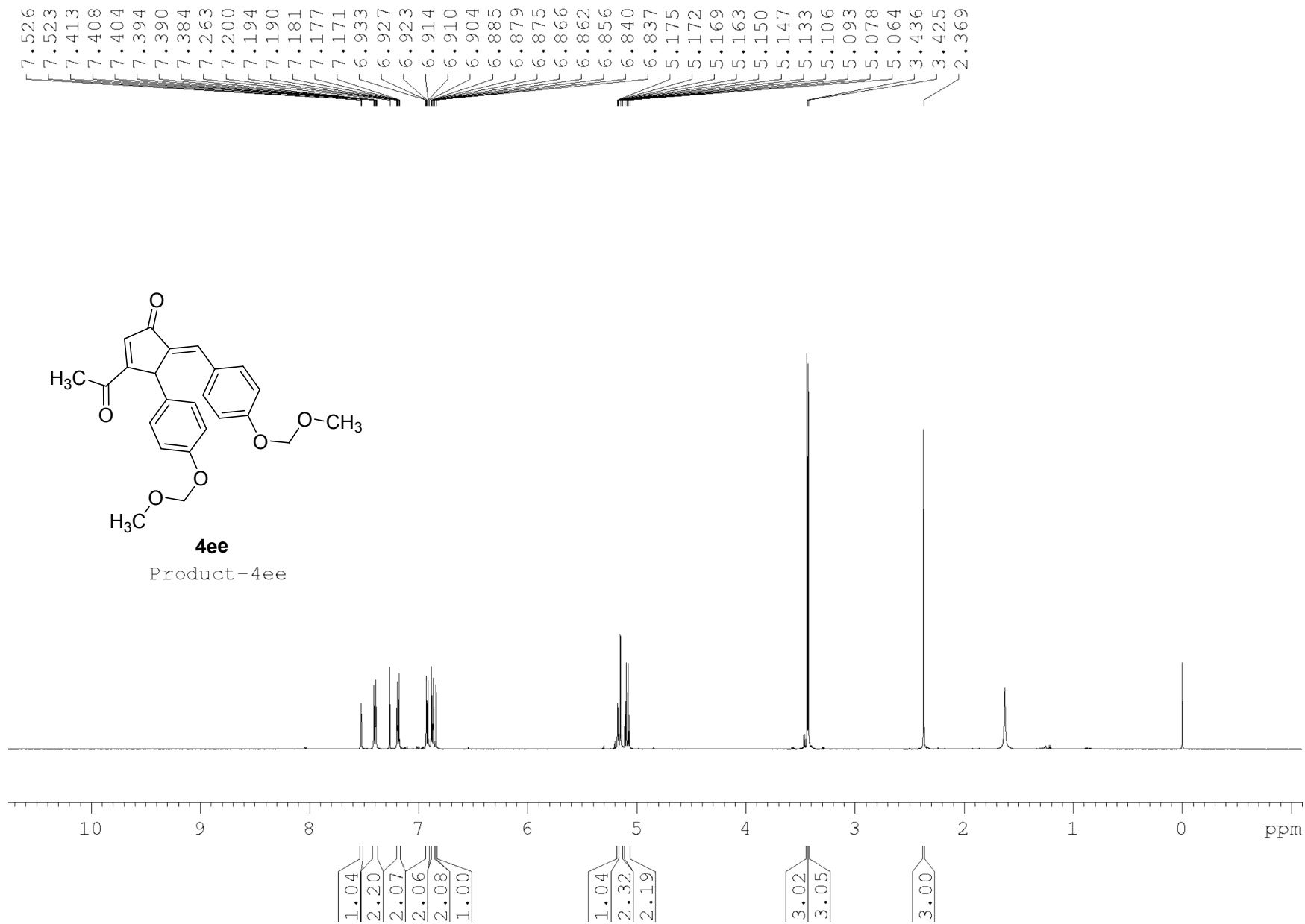


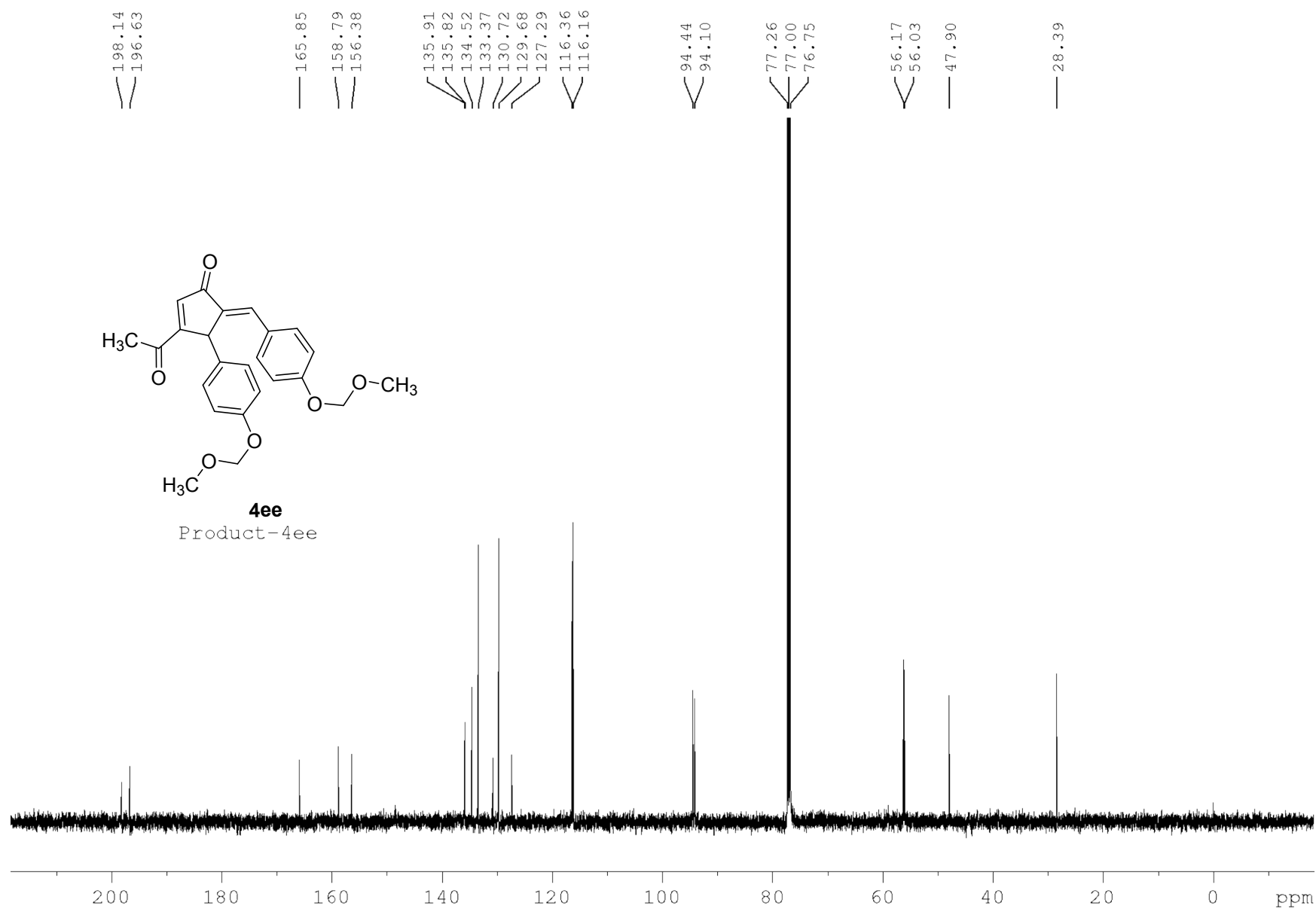


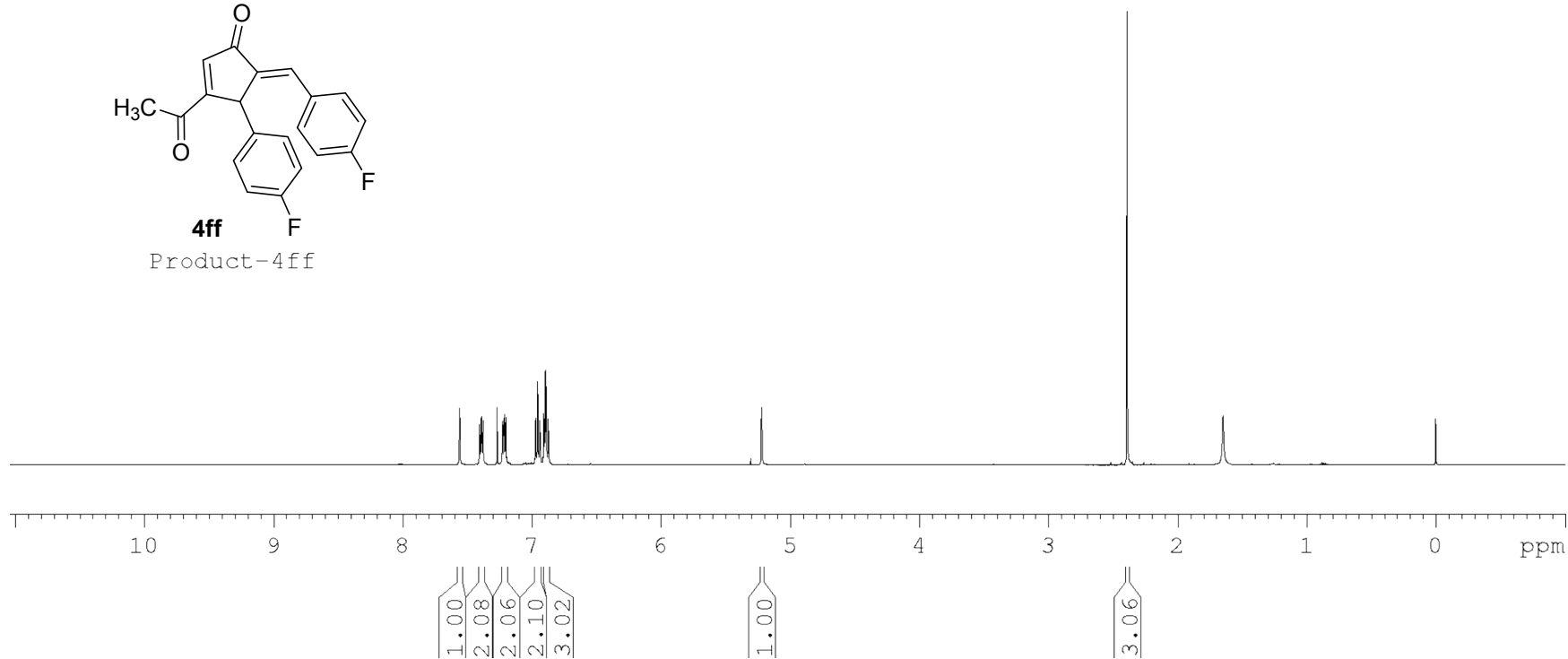
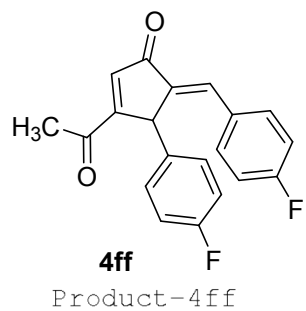
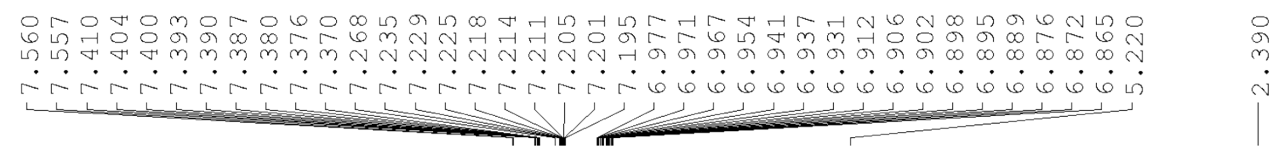


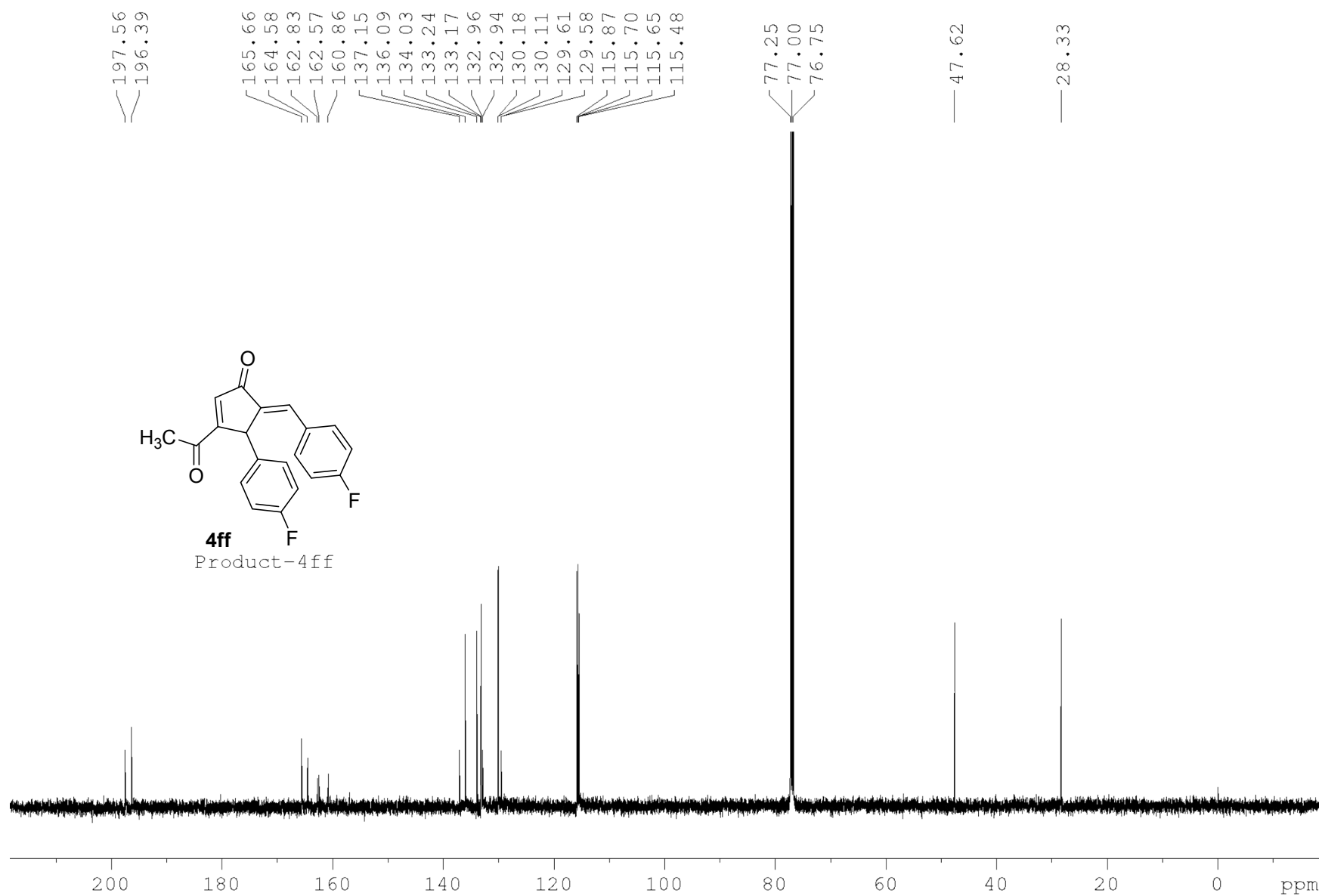


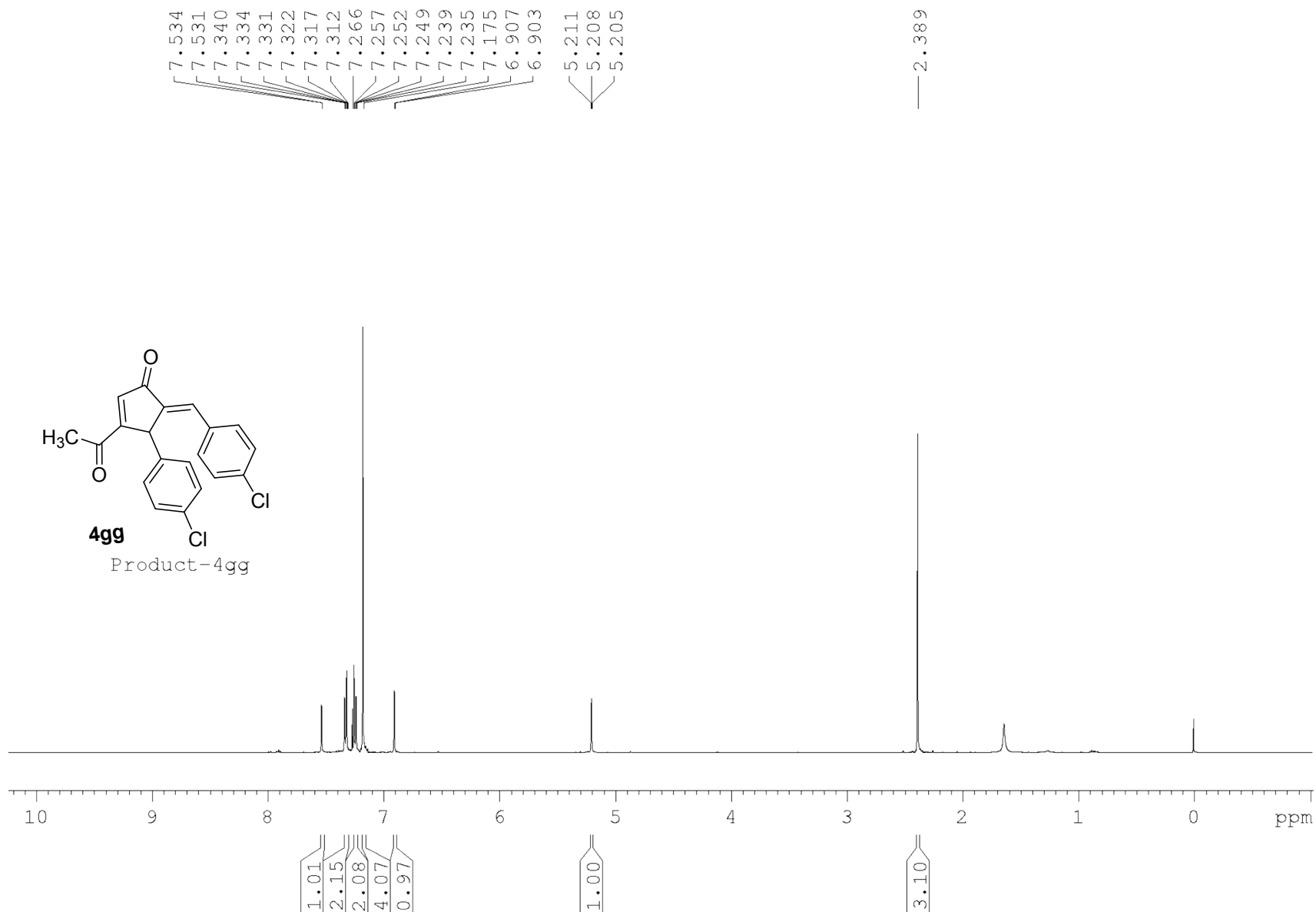


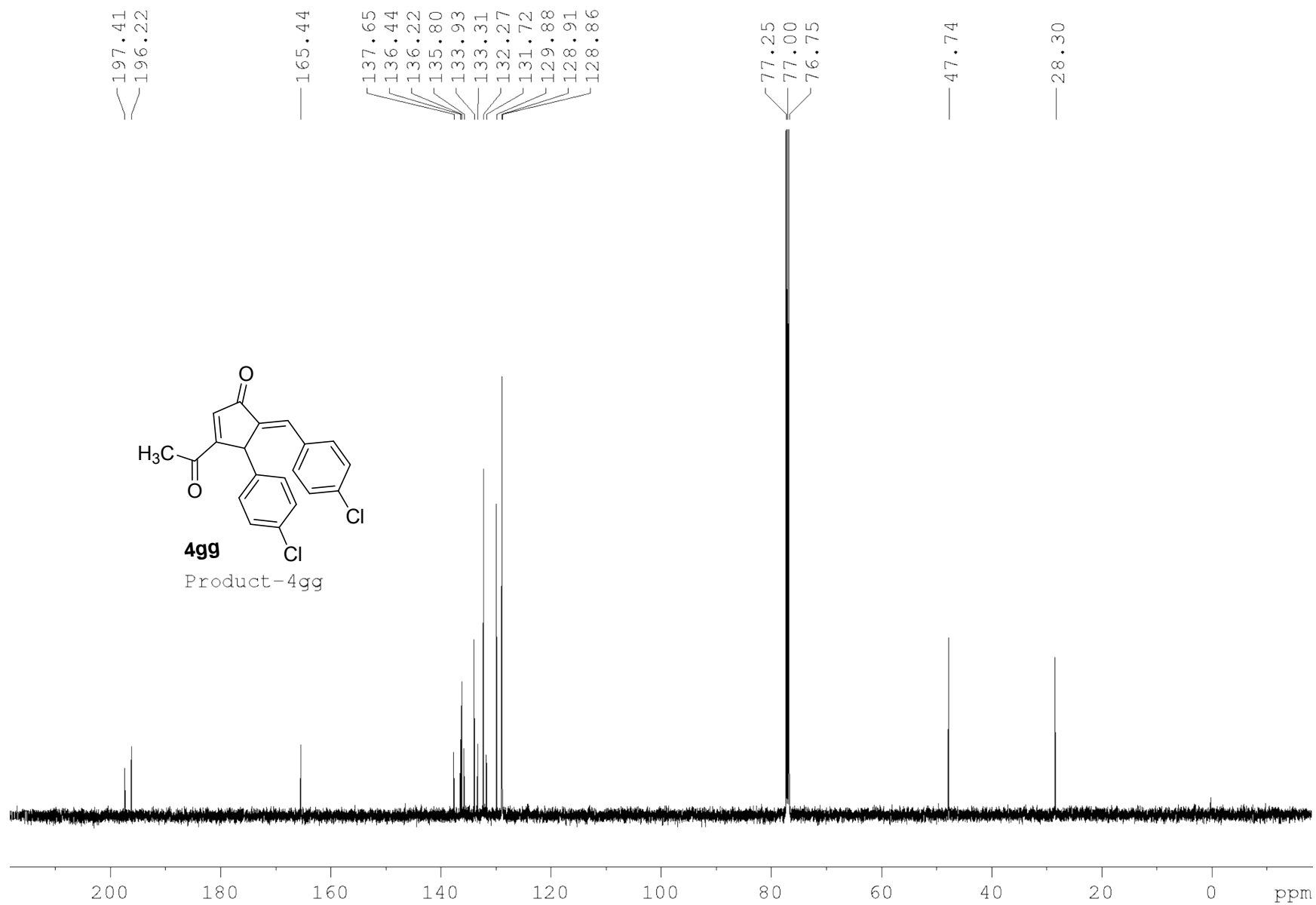


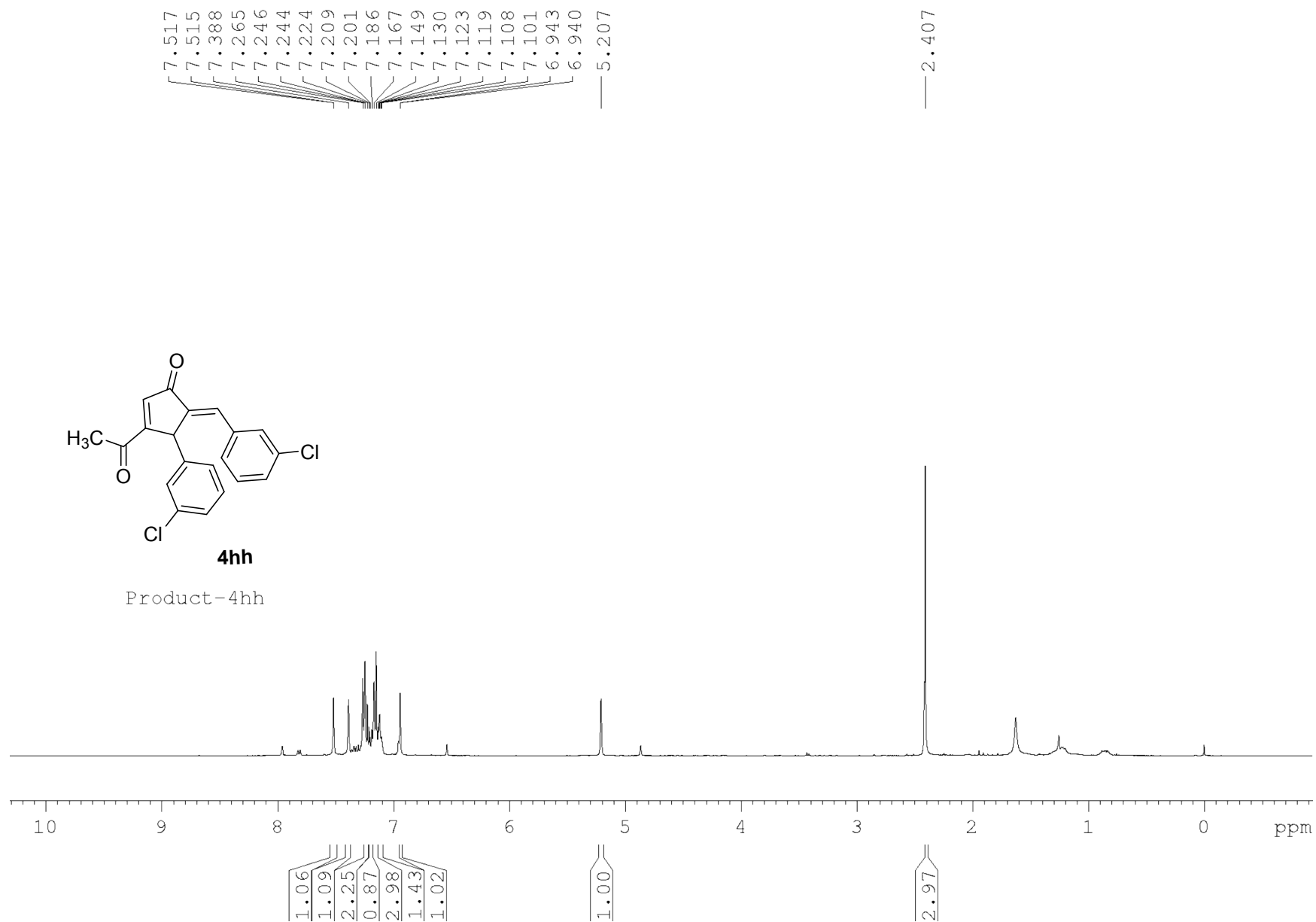


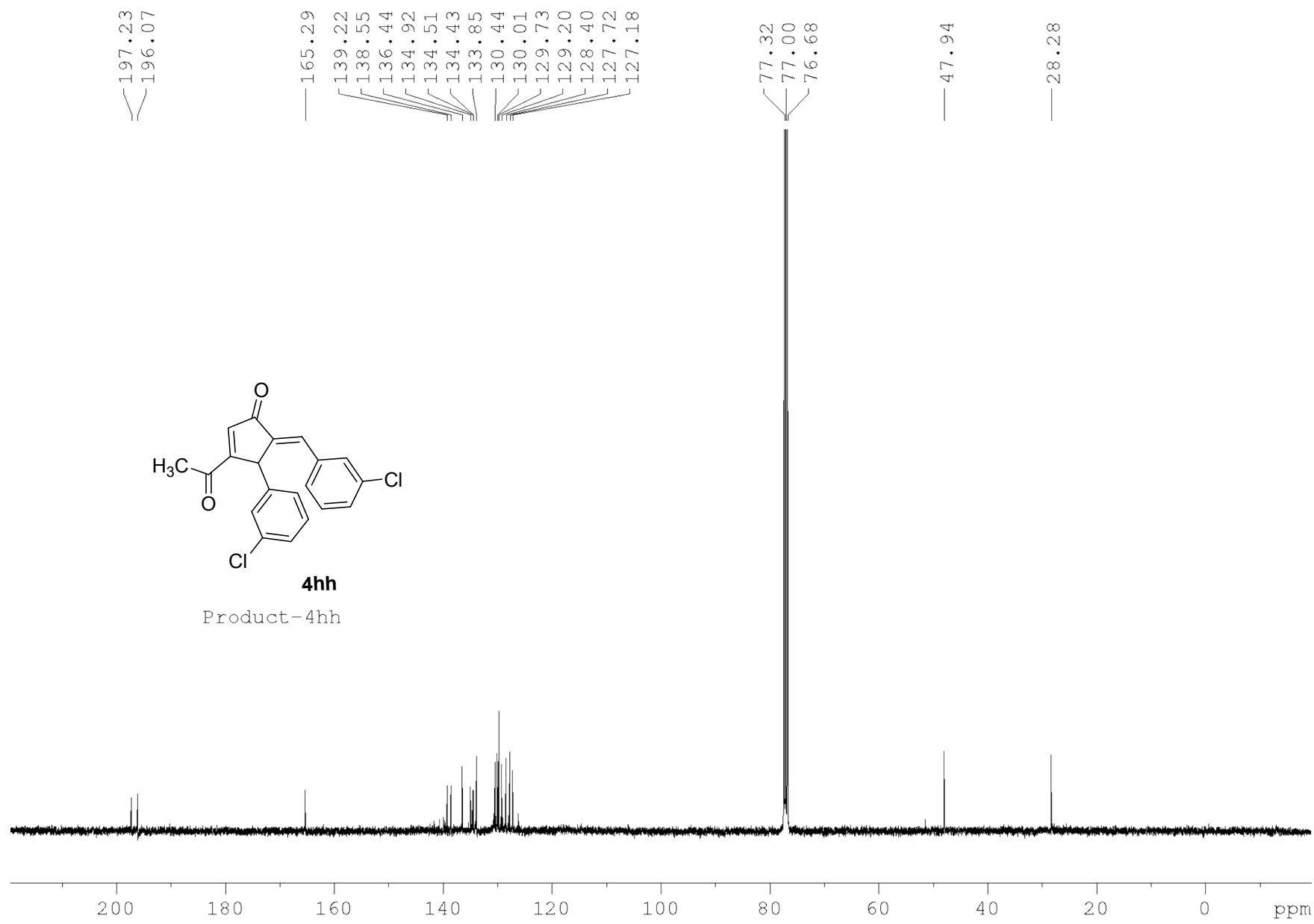


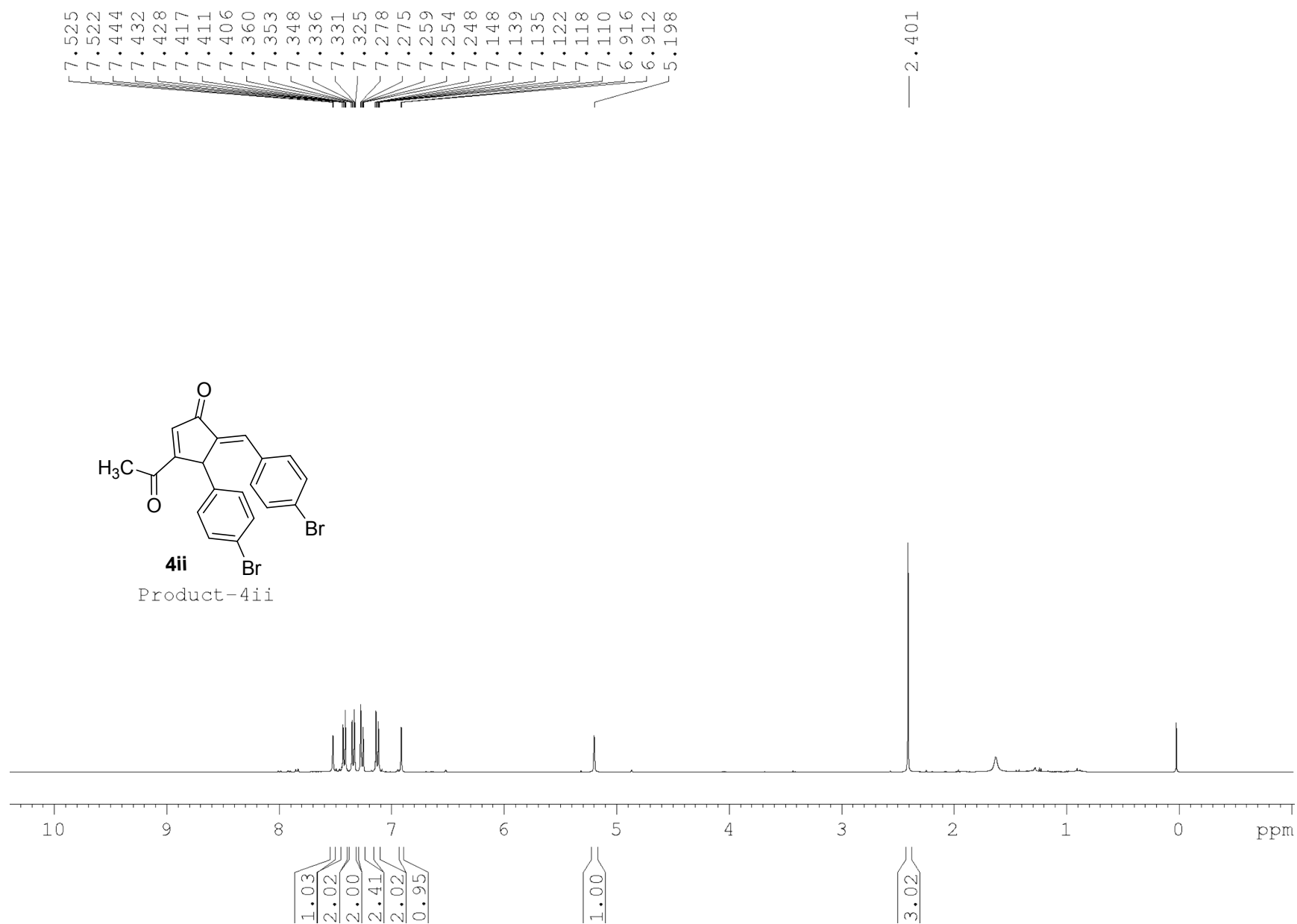


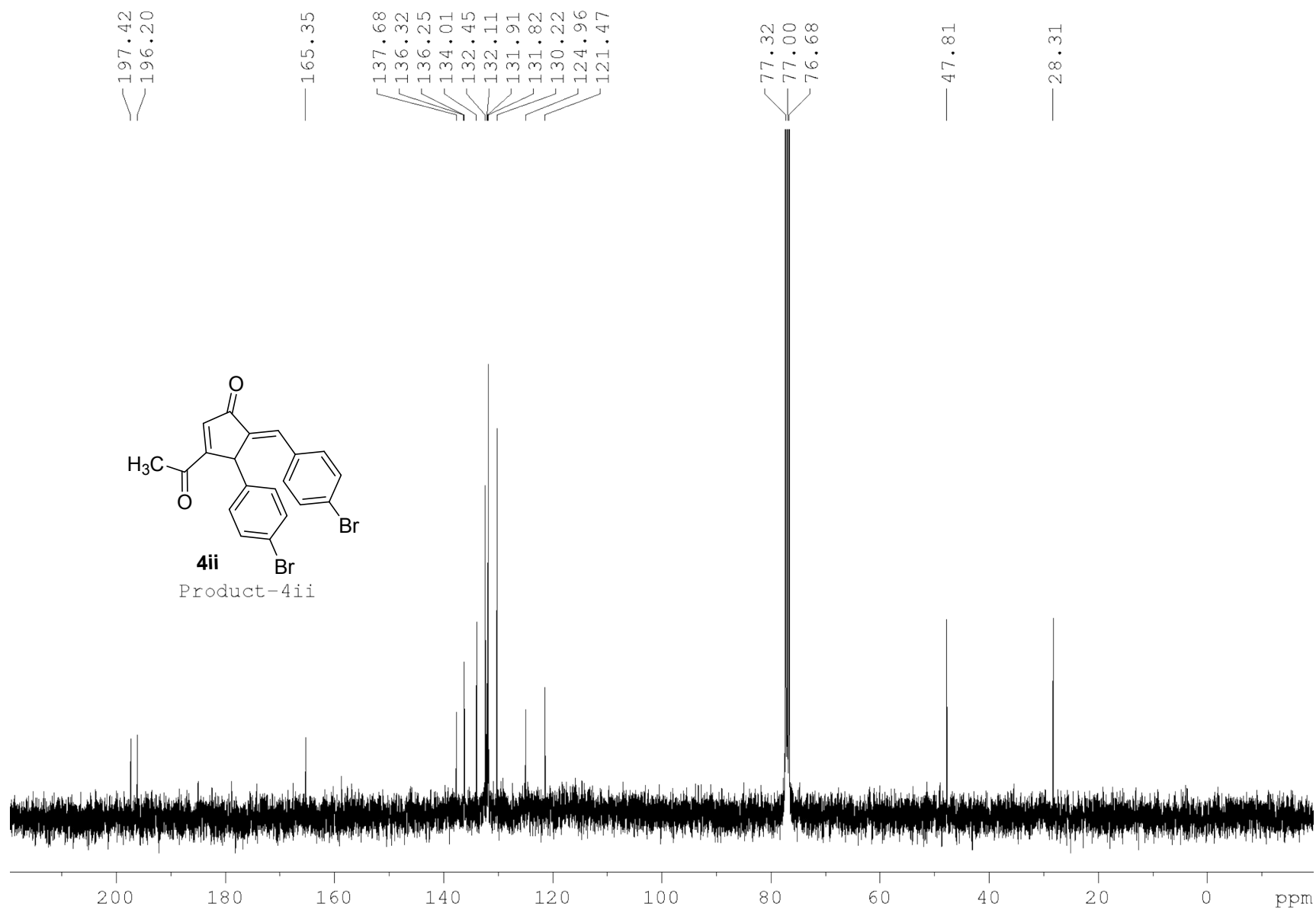


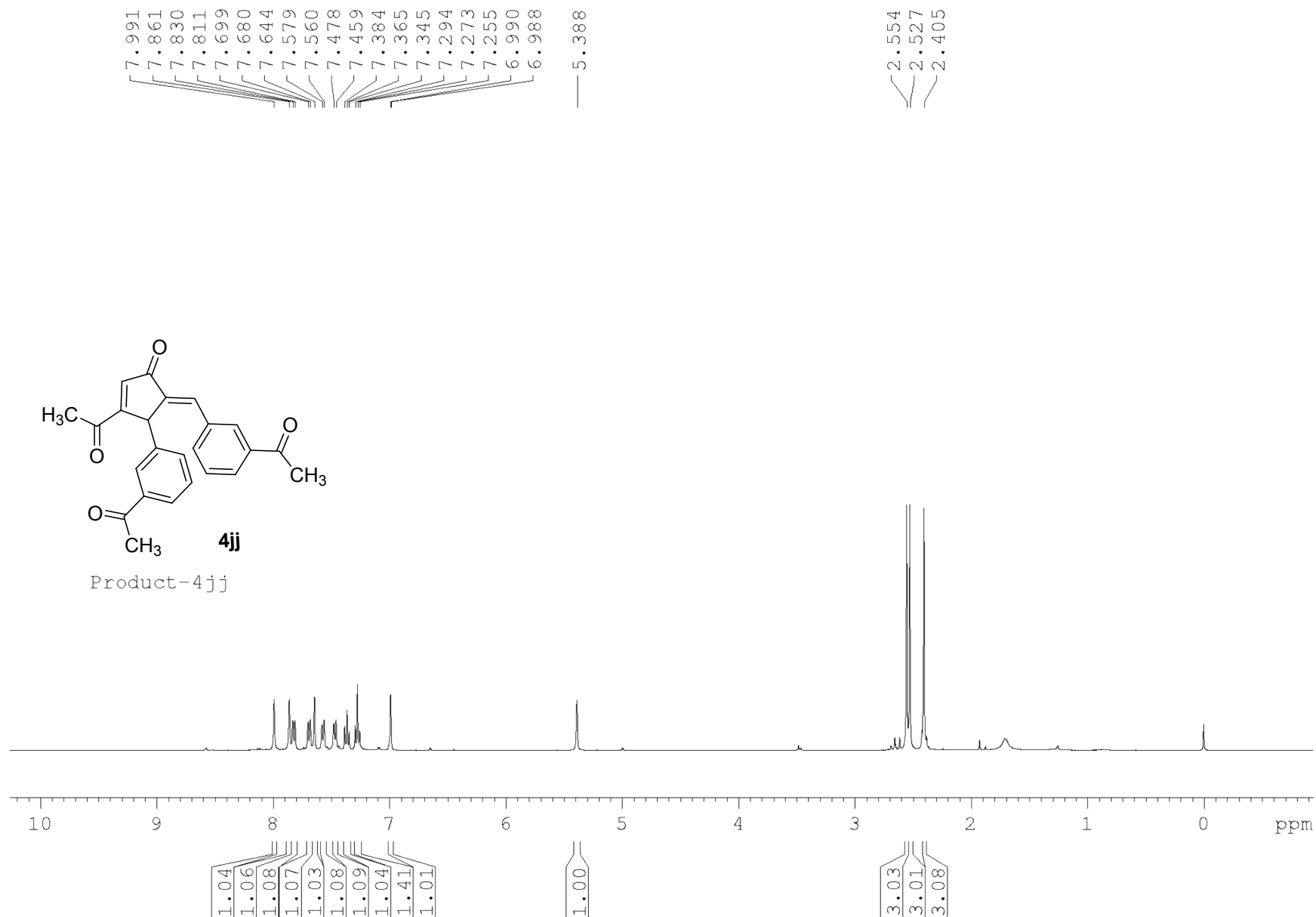


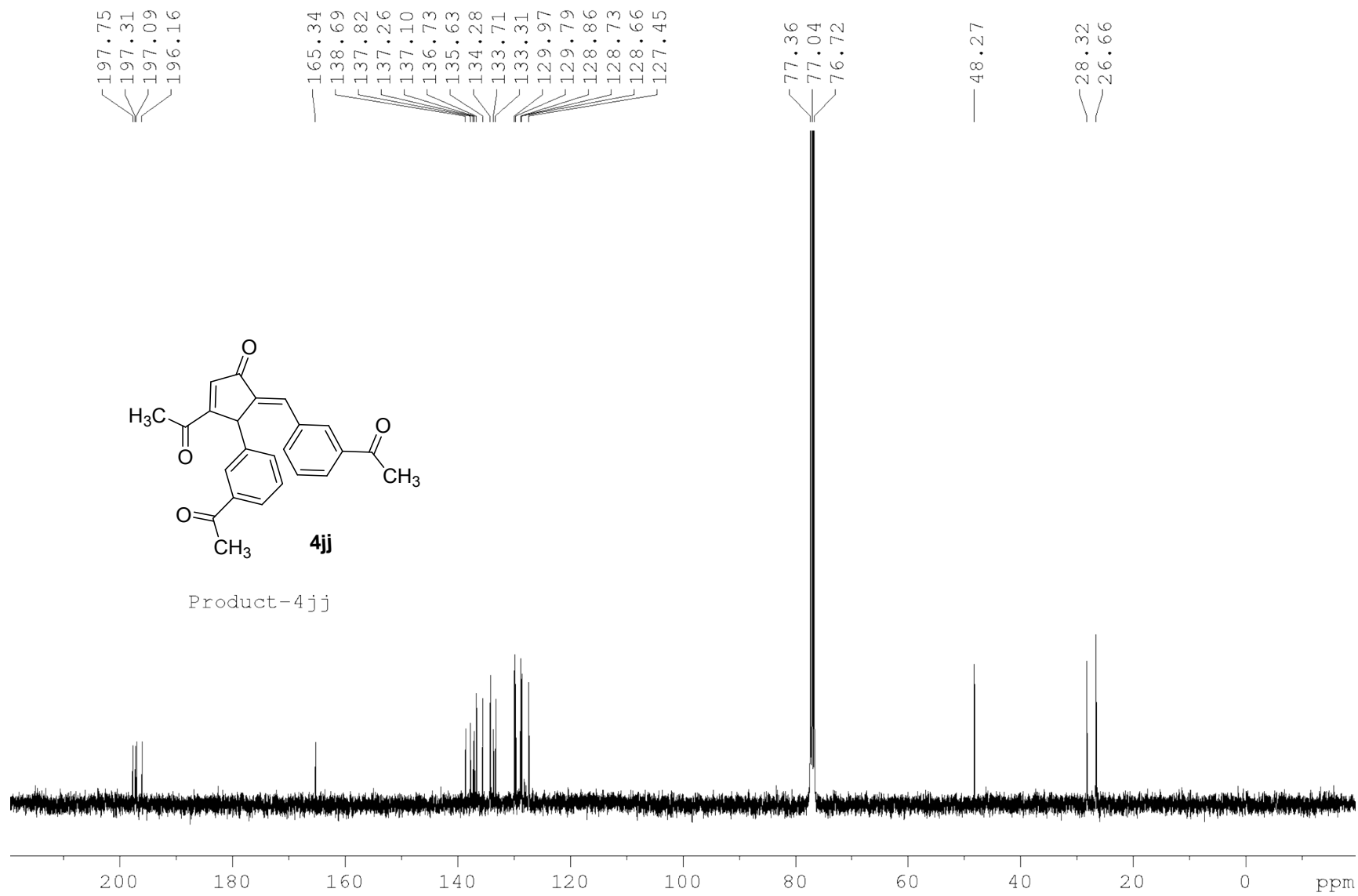


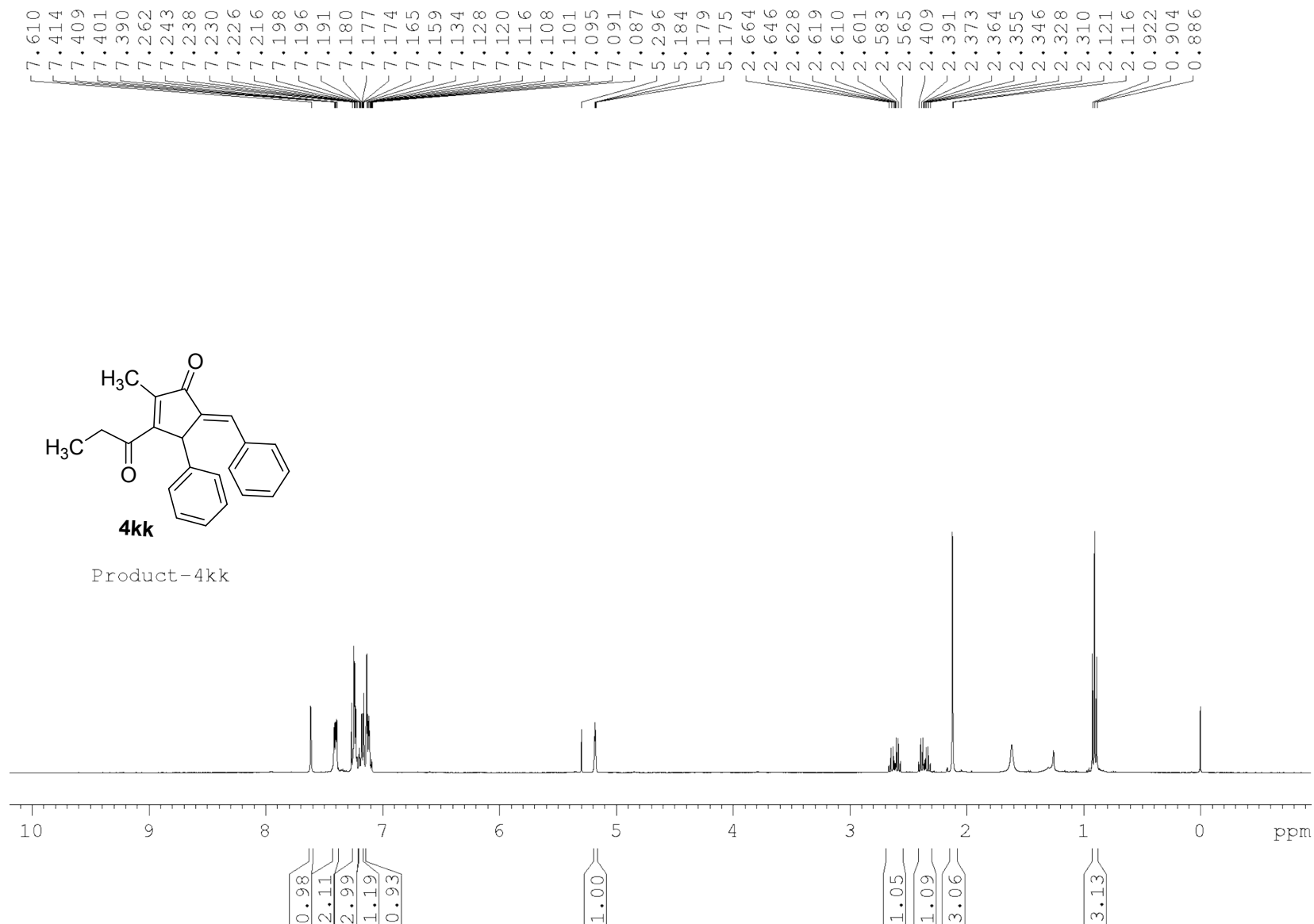


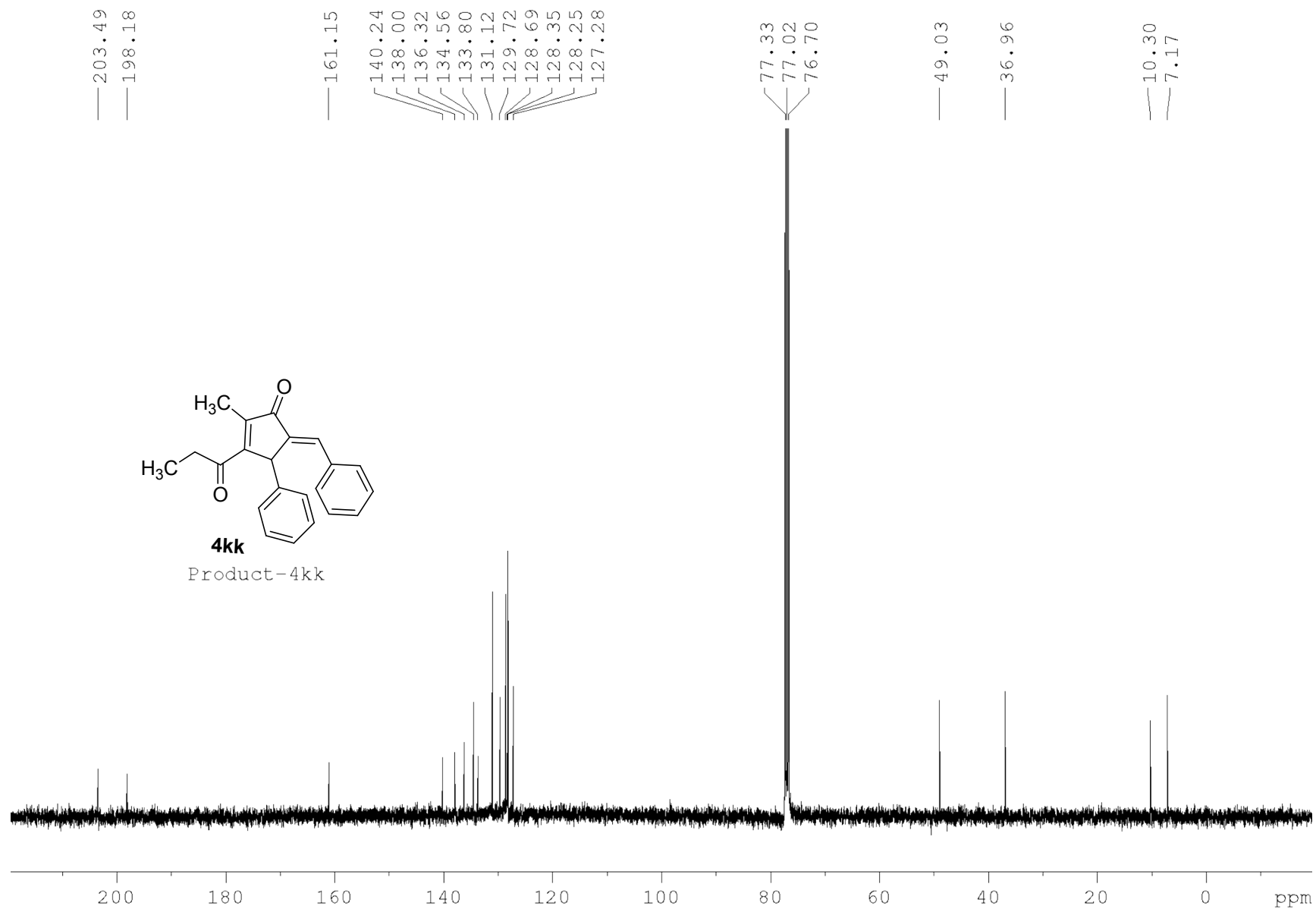


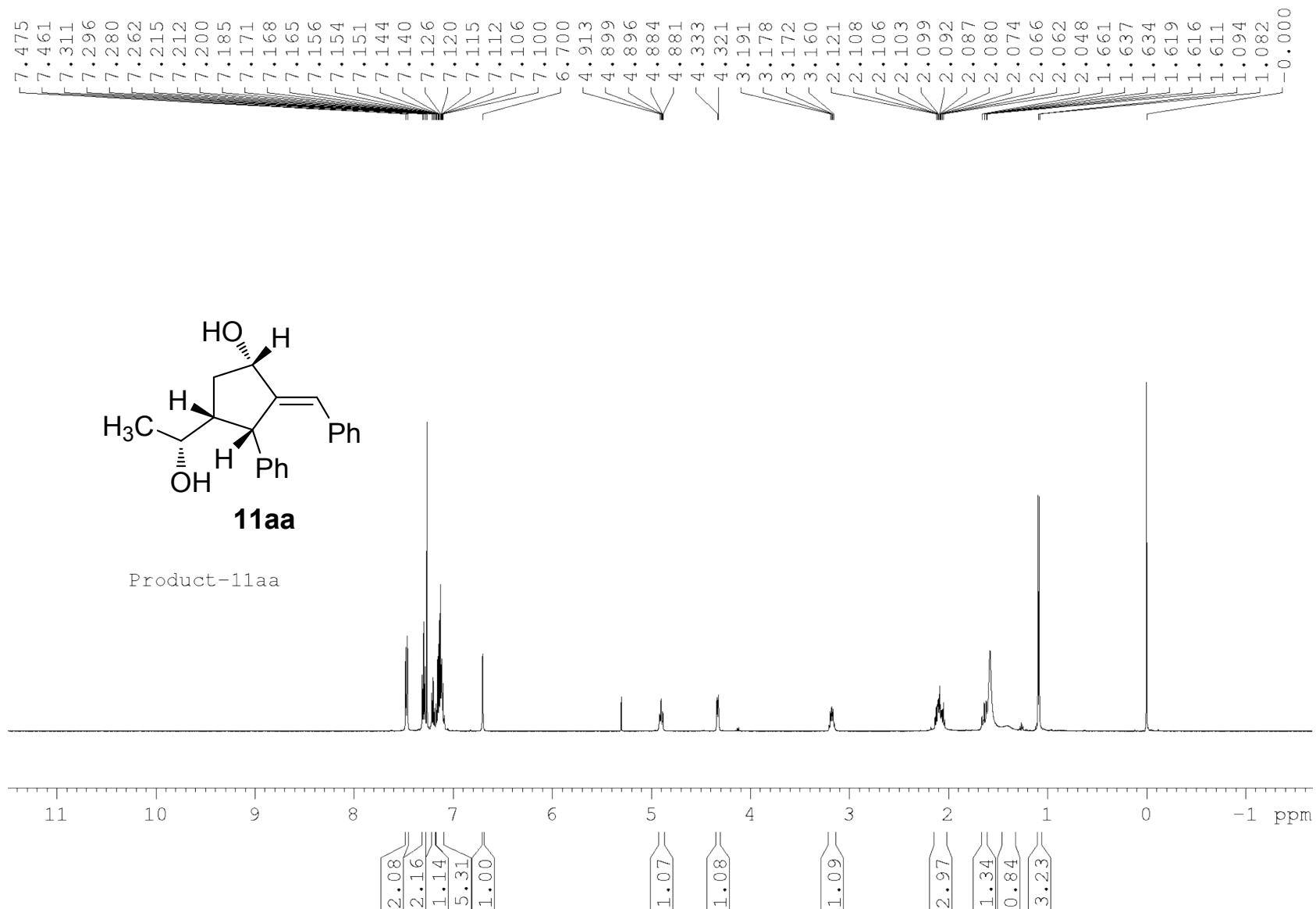


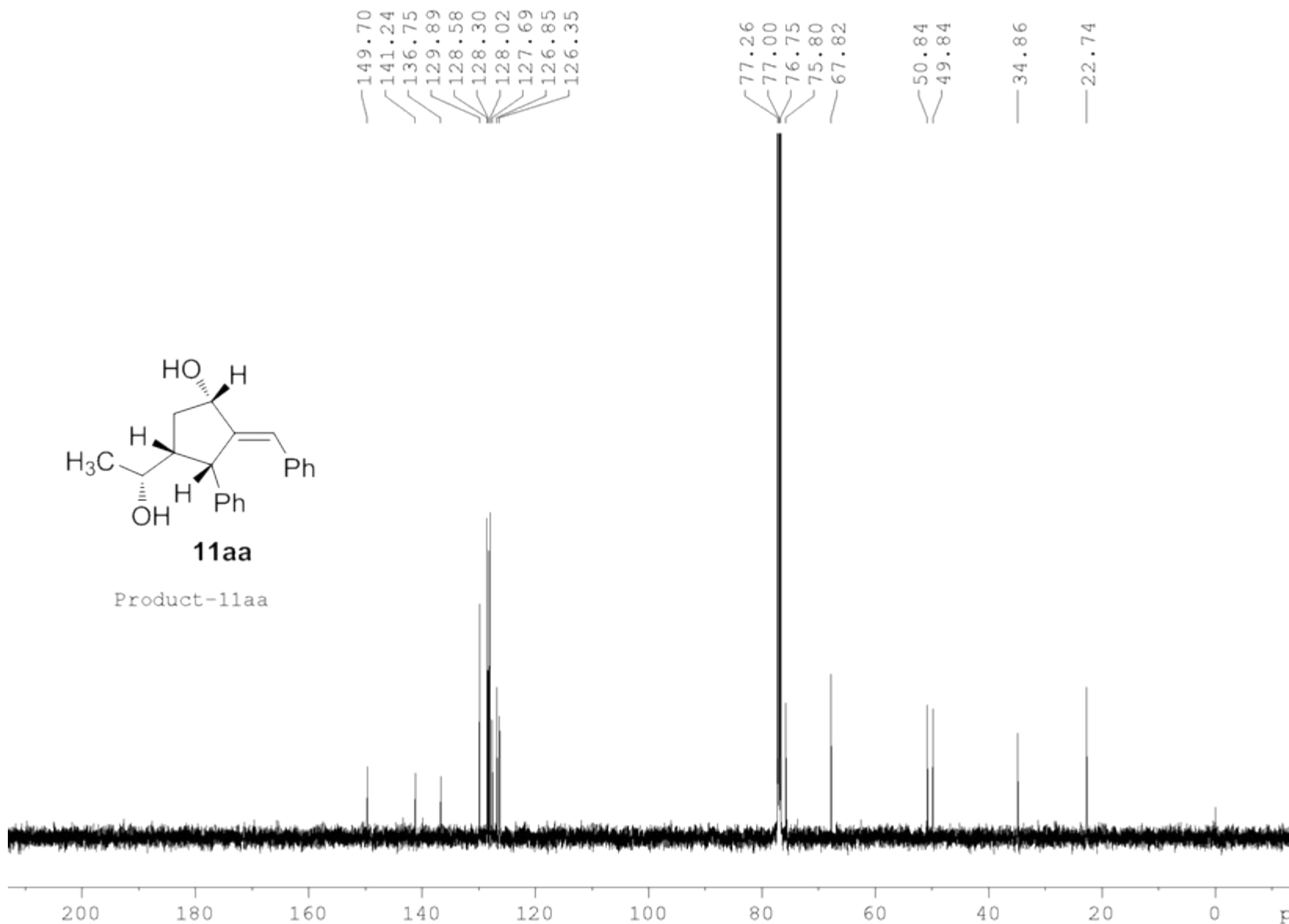


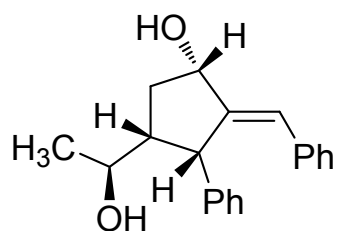






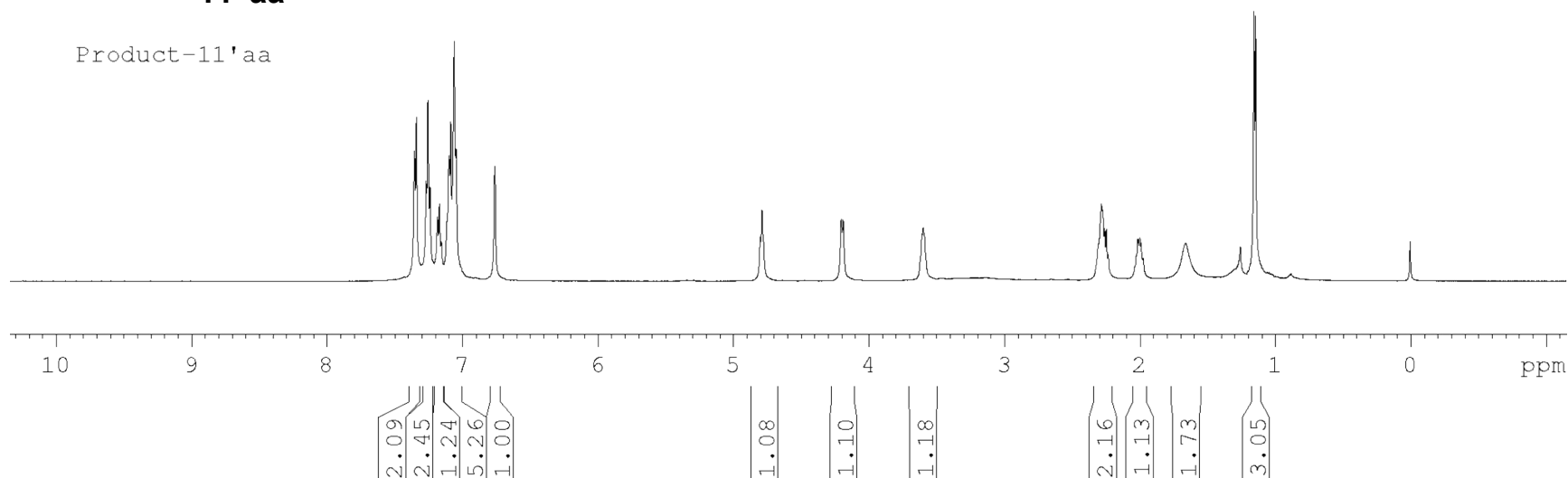






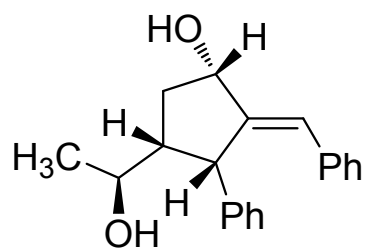
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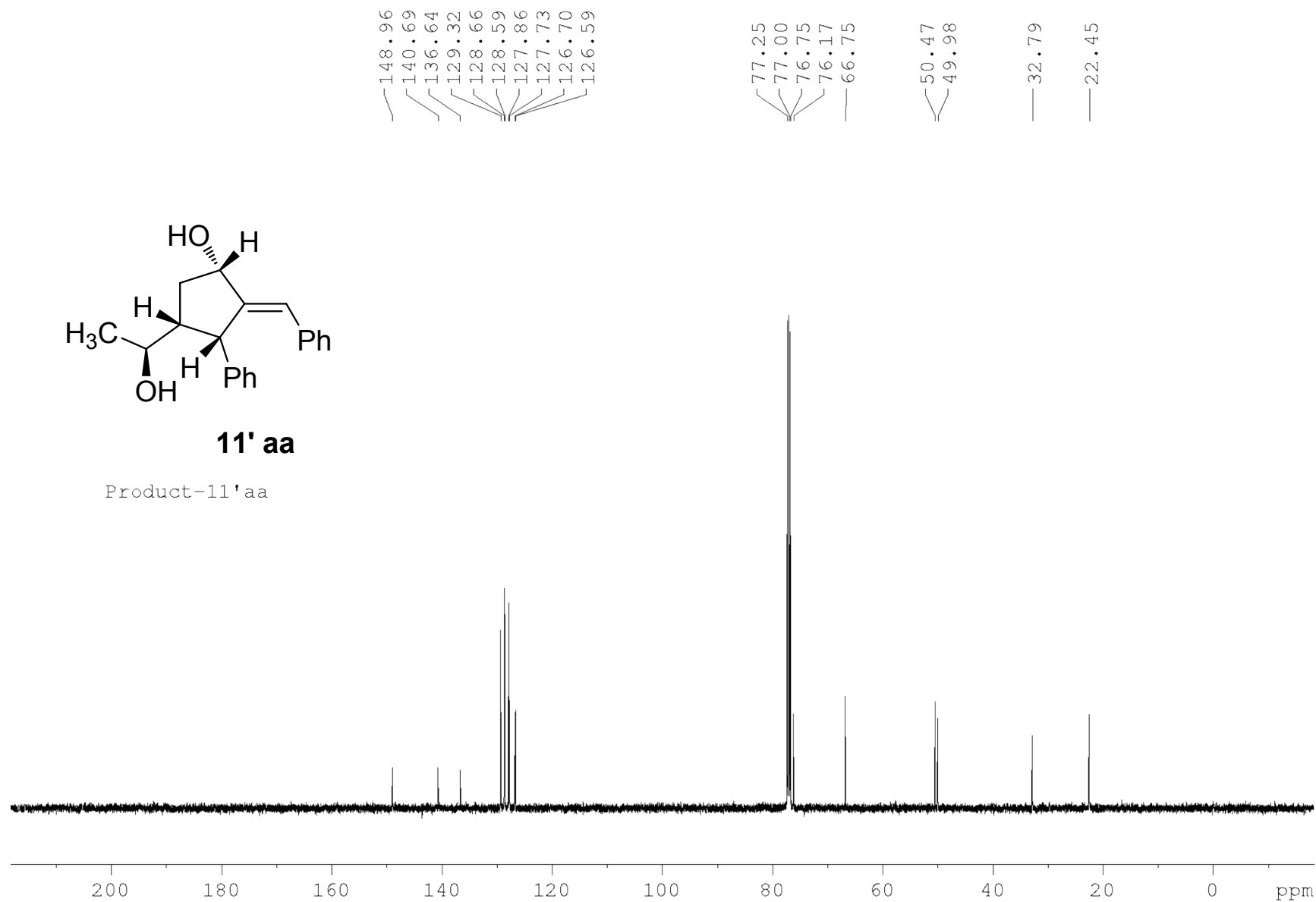
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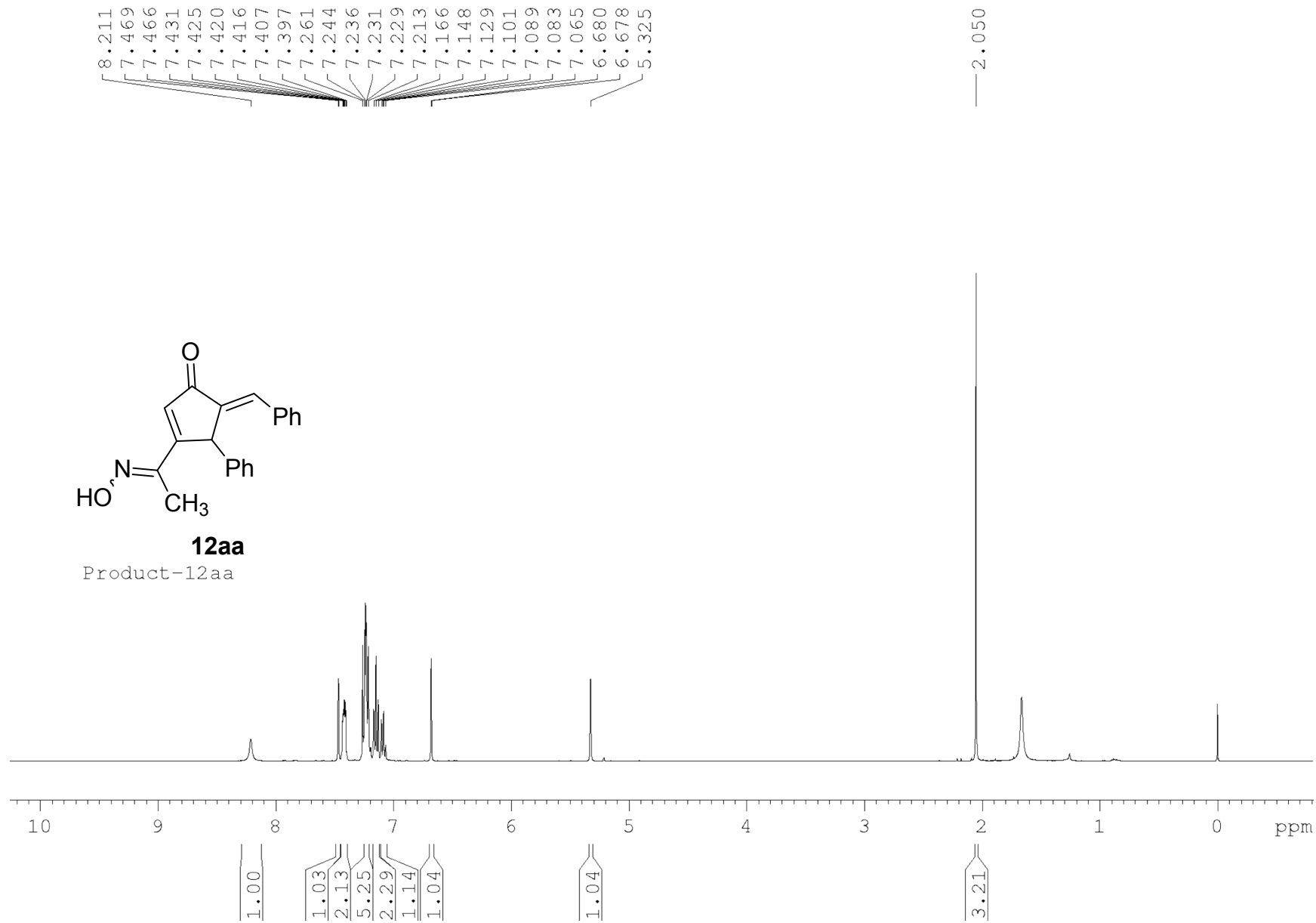
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11' aa

Product-11'aa







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139.46

✓ 139.02
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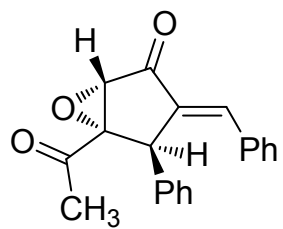
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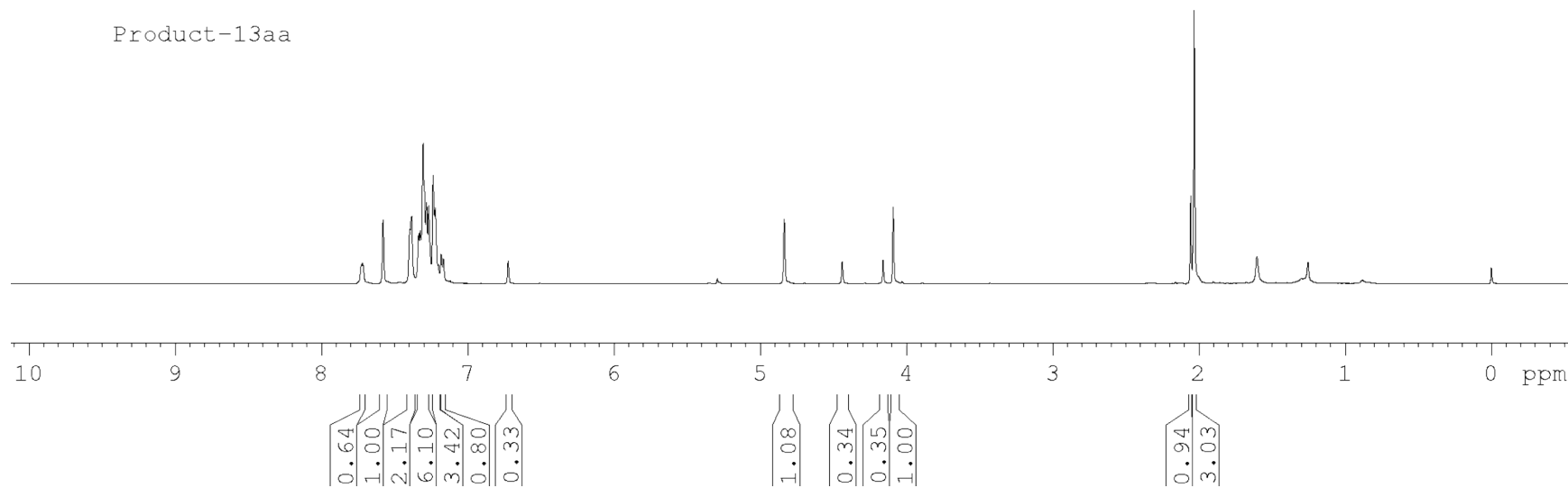
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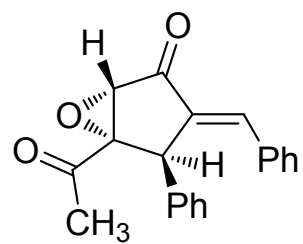




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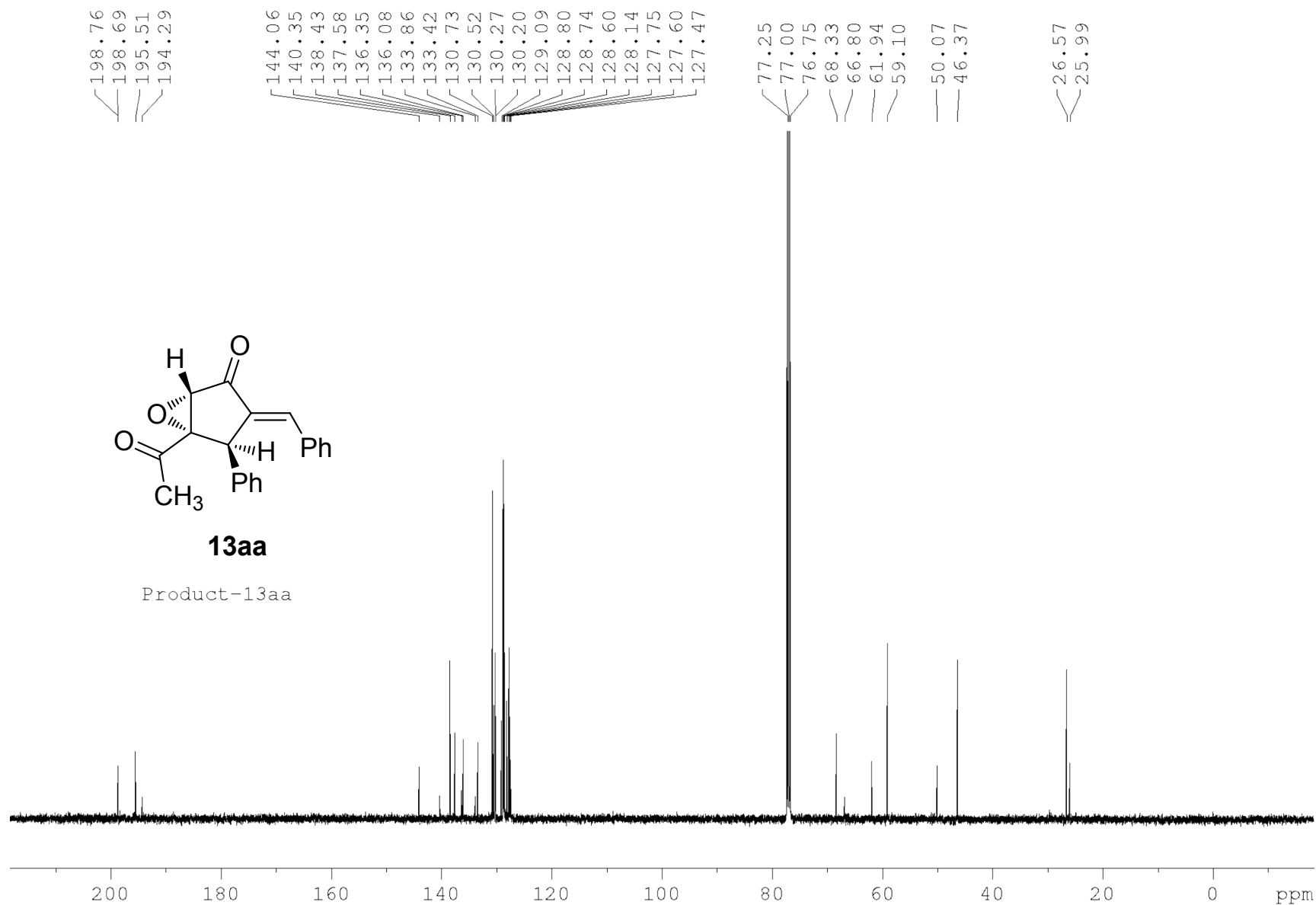
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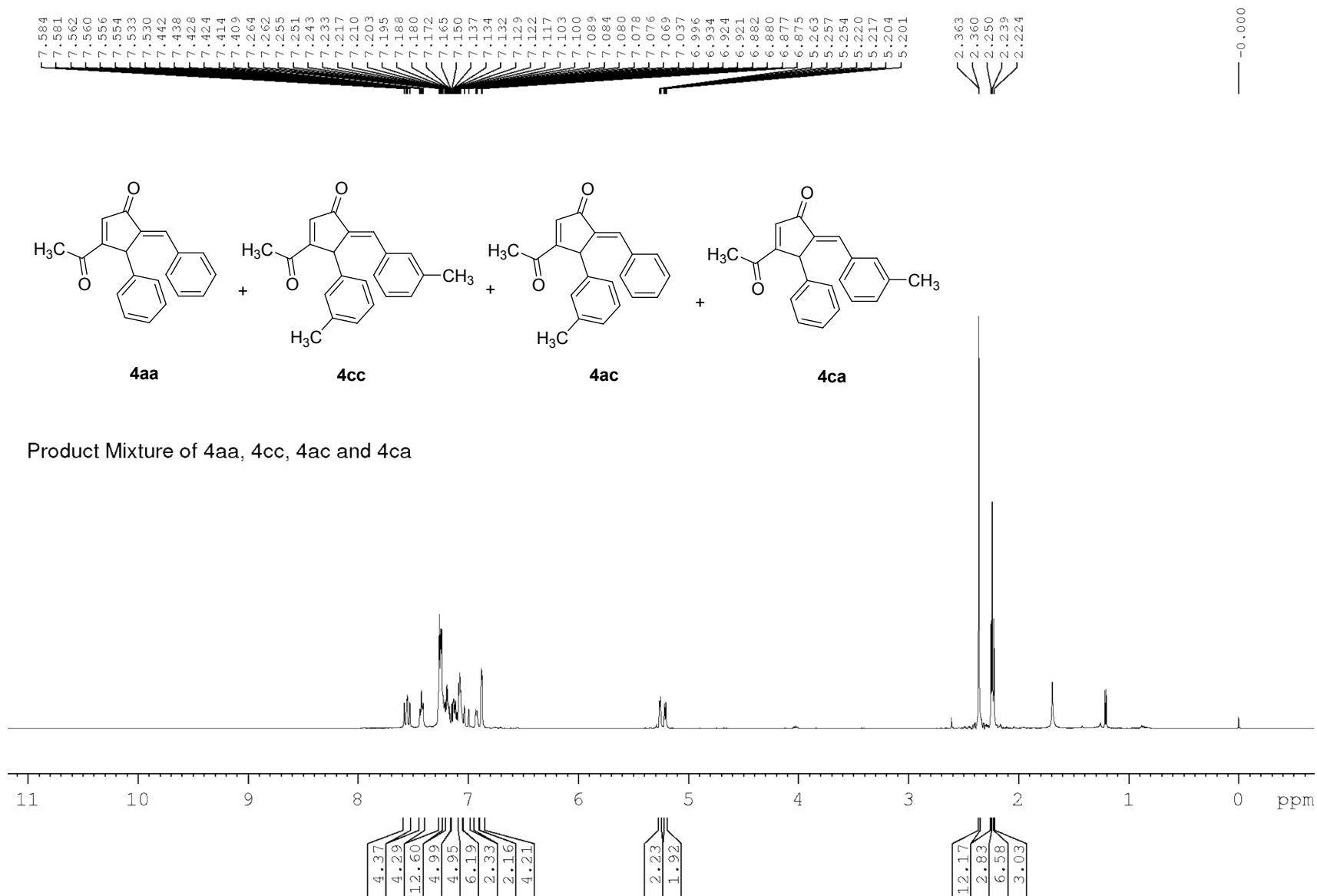


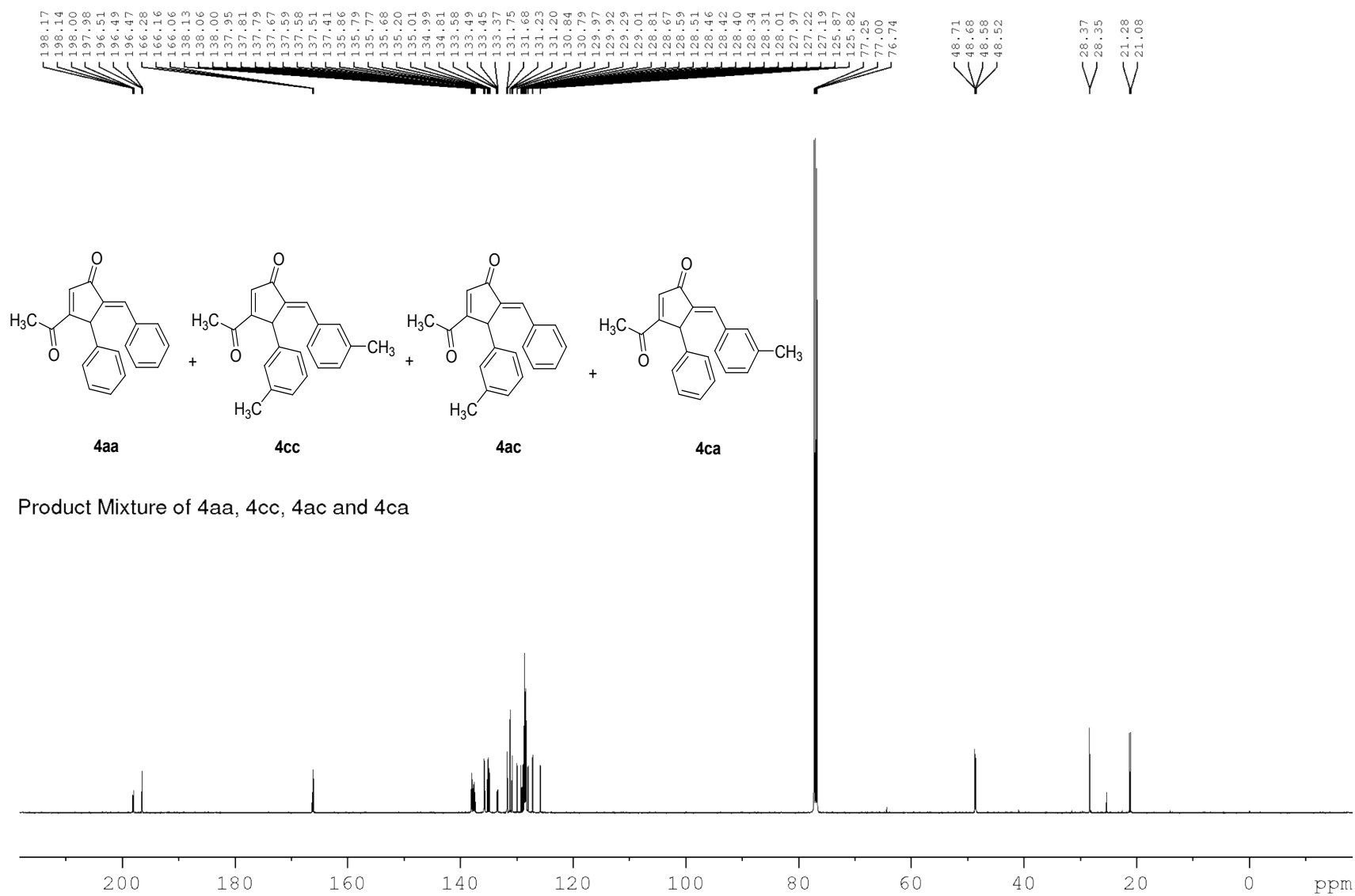


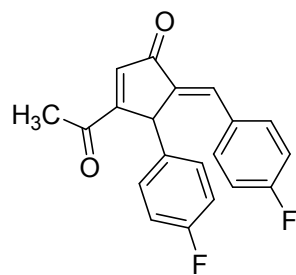
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4ff

Product 4ff-19F

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— -114.55

