

Supporting Information for:

Three new *O*-isocrotonyl-3-hydroxybutyric acid congeners produced by a sea anemone-derived marine bacterium of the genus *Vibrio*

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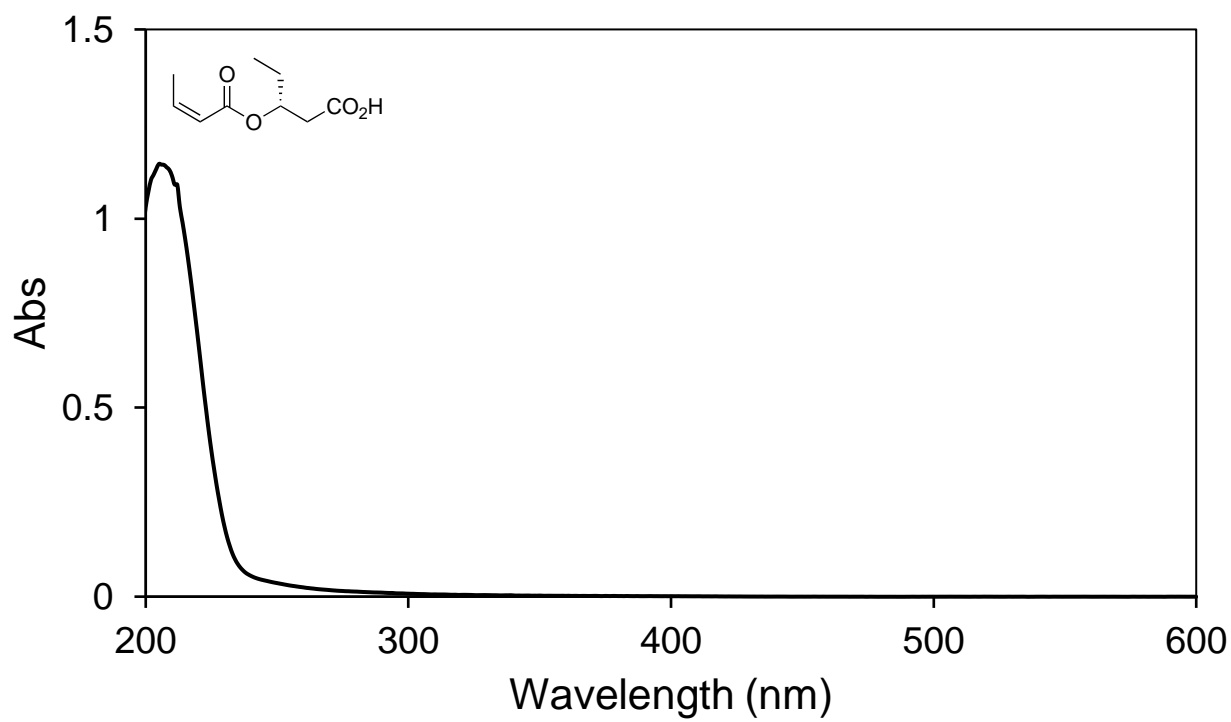
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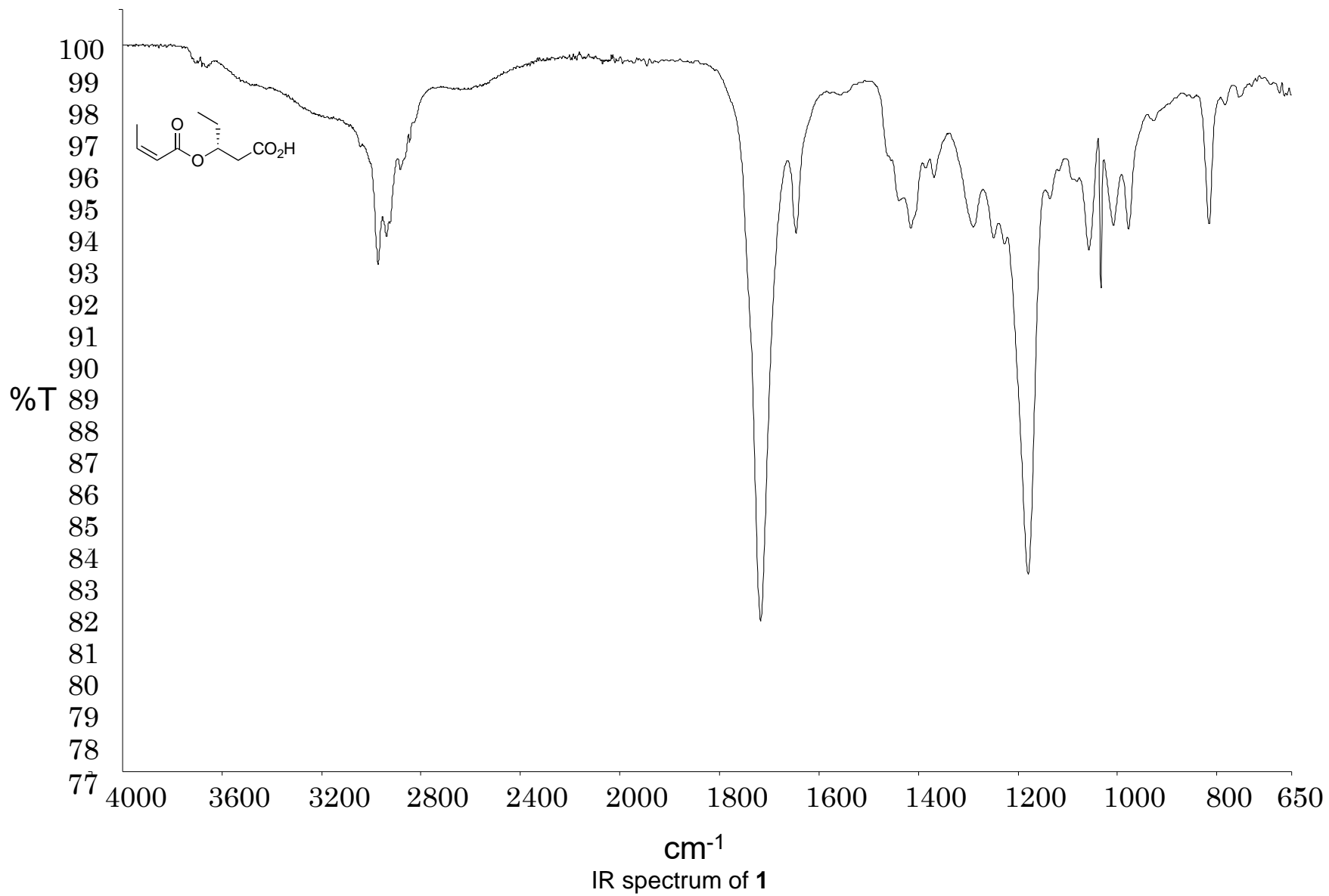
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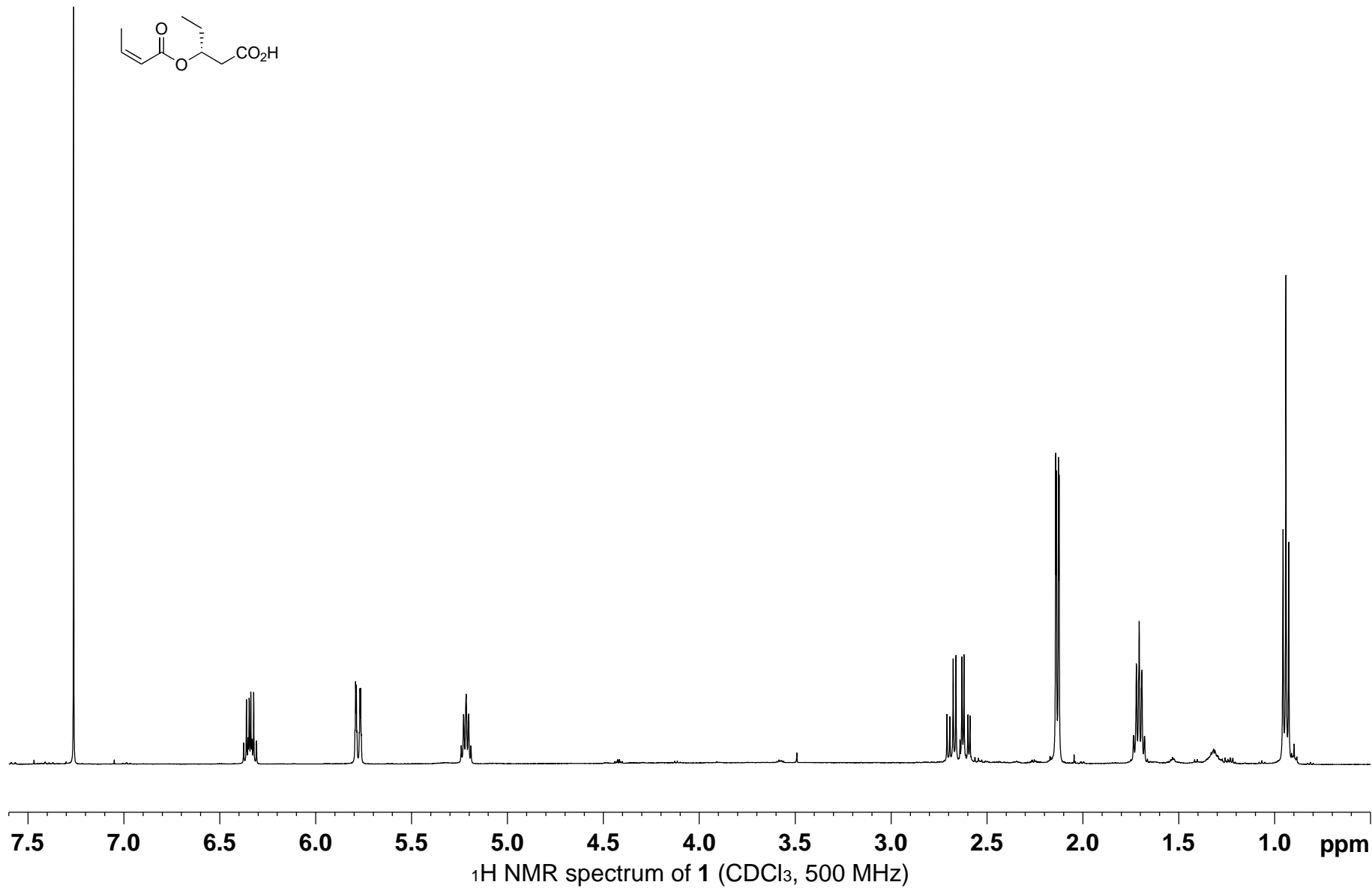
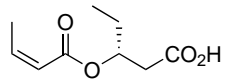
(*R*)-*O*-Isocrotonyl-3-hydroxybutyric acid (**4**)

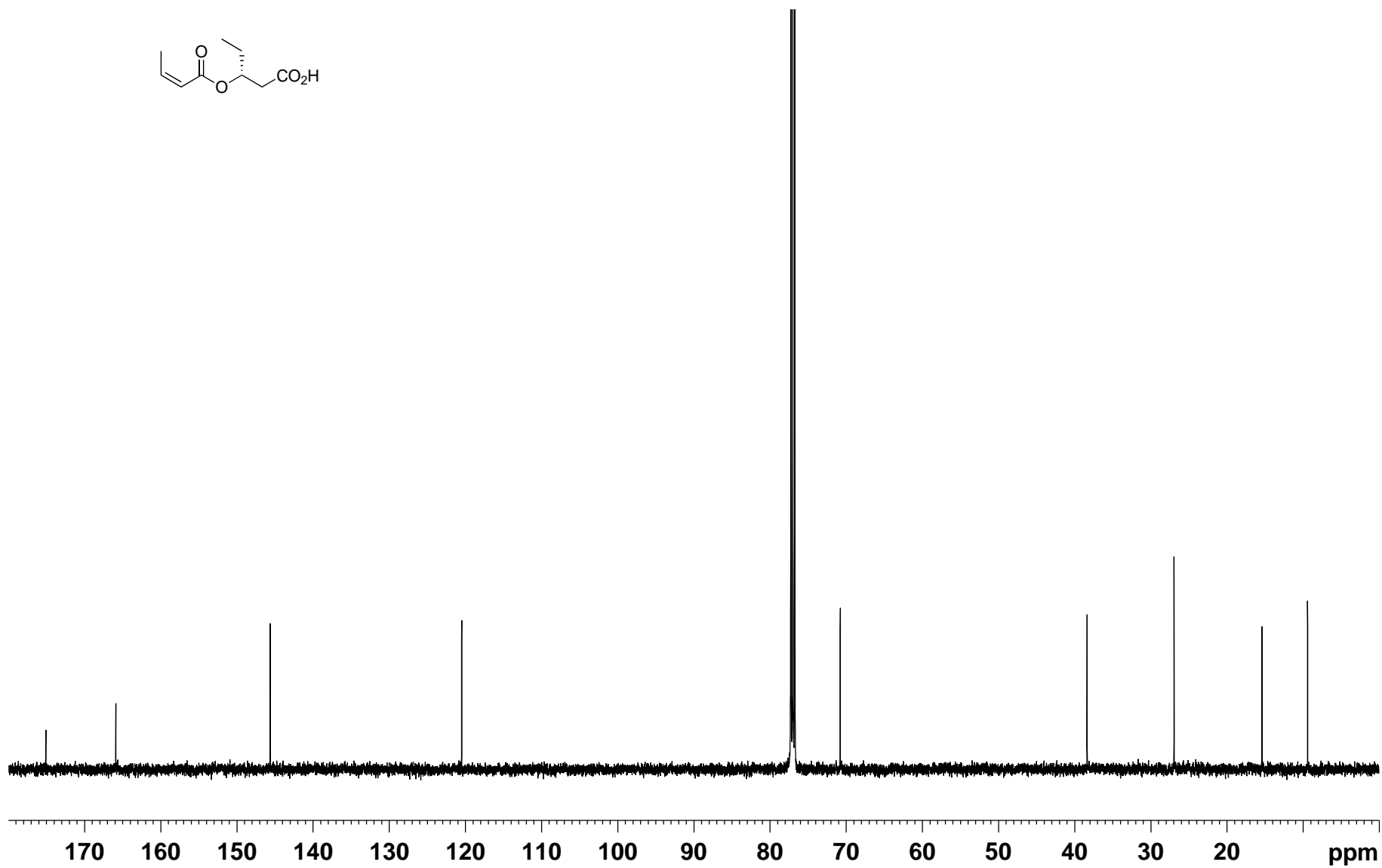
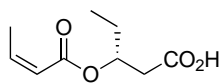
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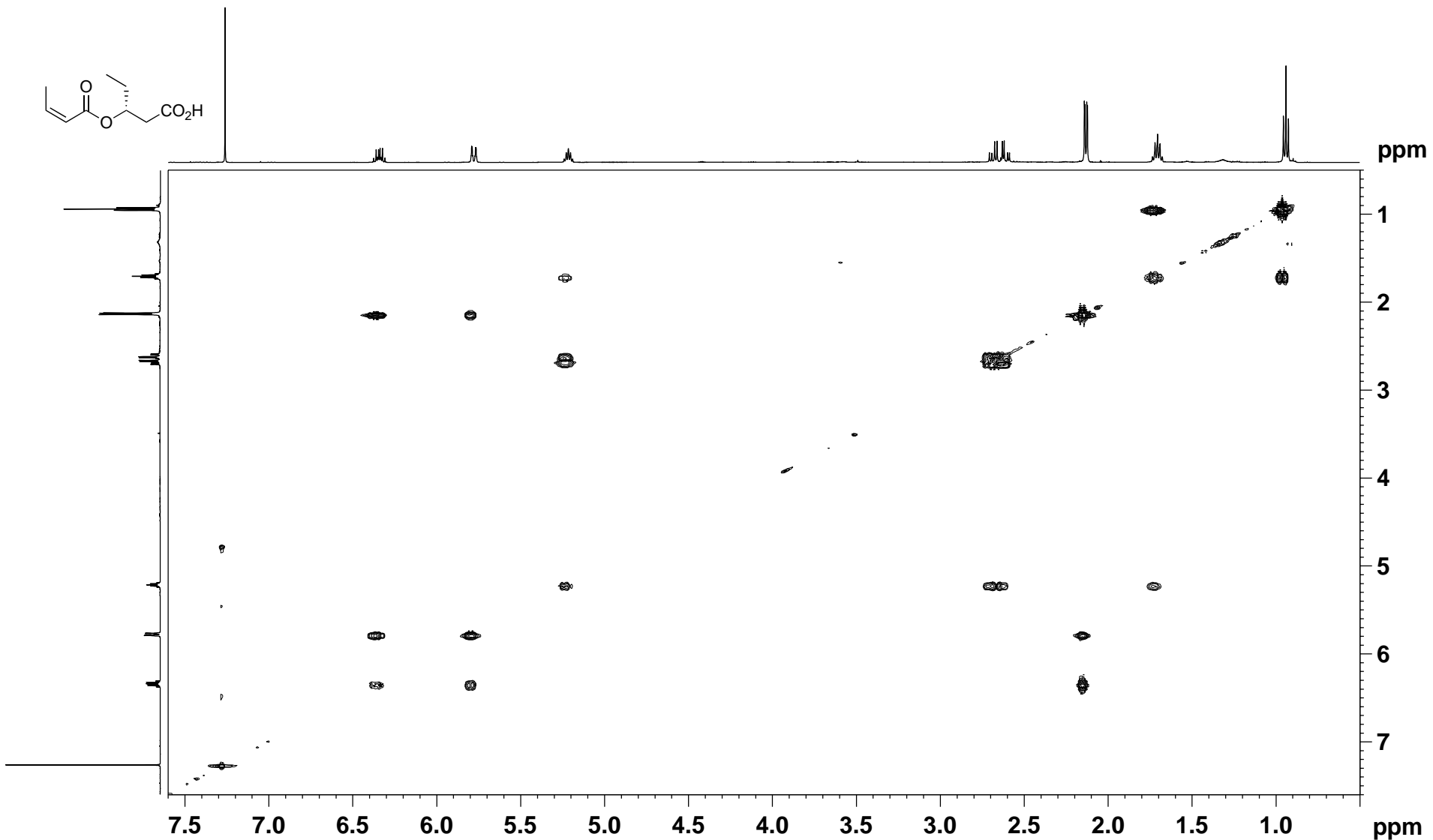
UV spectrum of 1

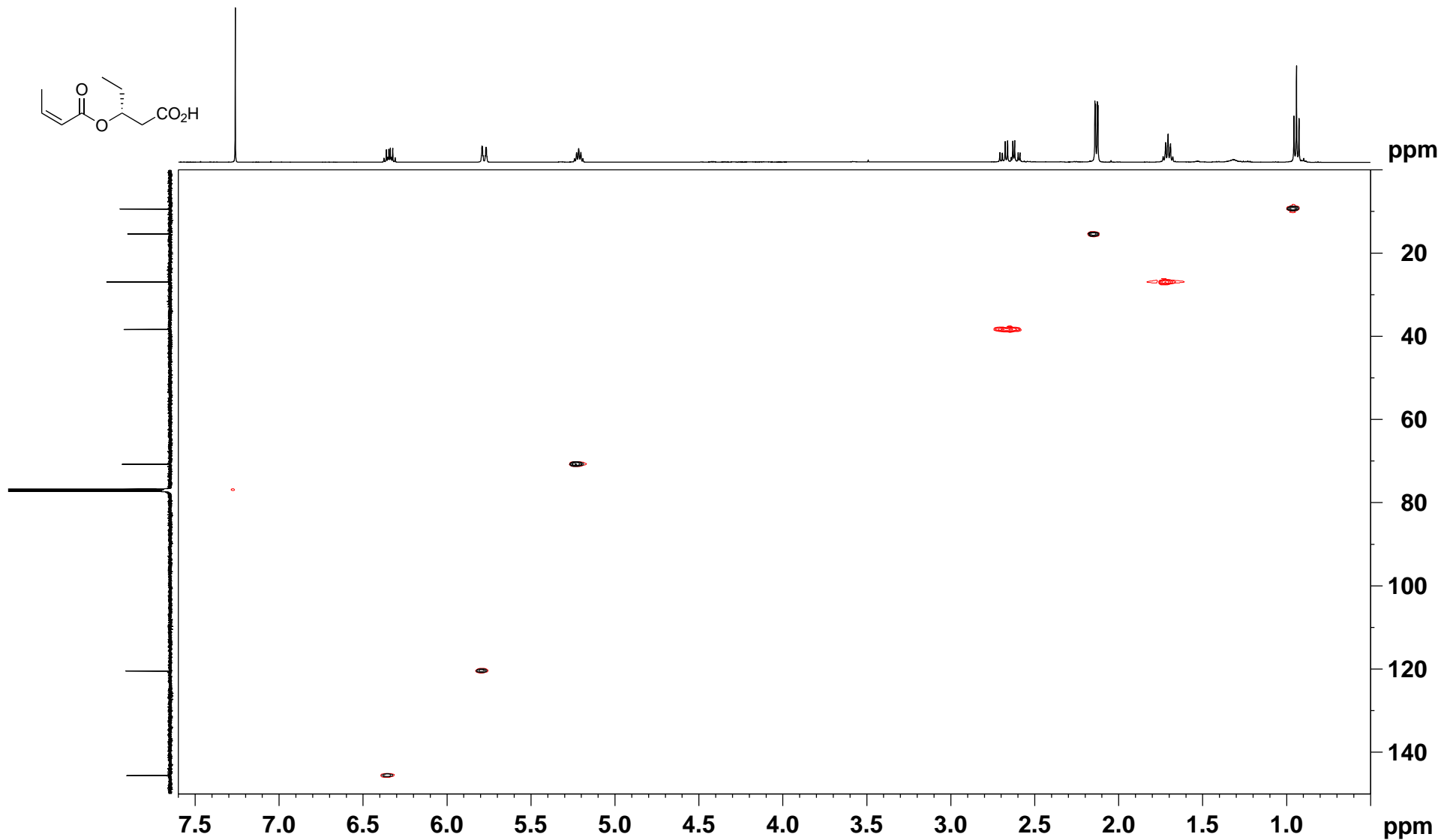
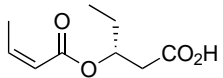






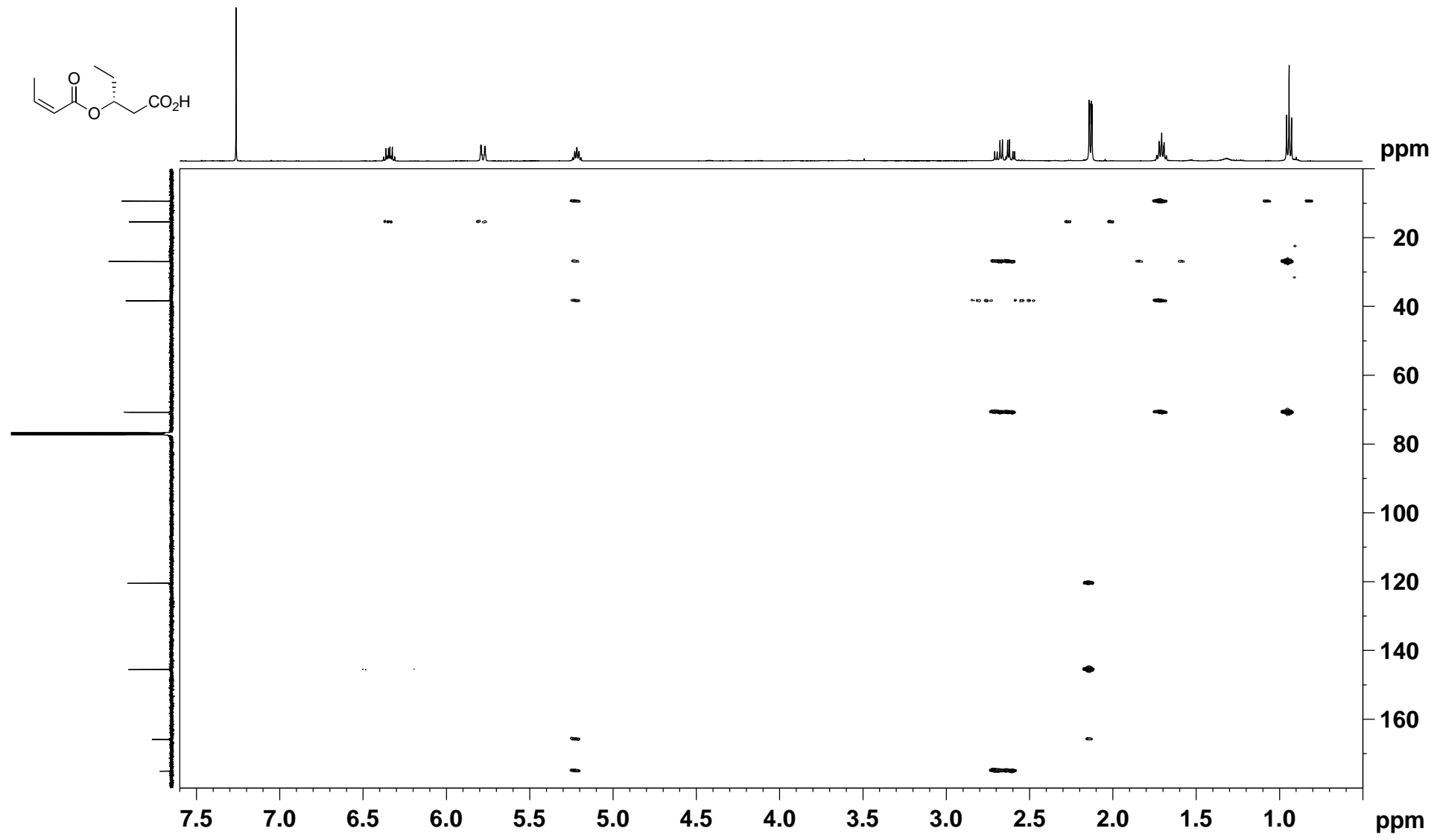
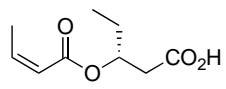
<sup>13</sup>C NMR spectrum of 1 (CDCl<sub>3</sub>, 125 MHz).



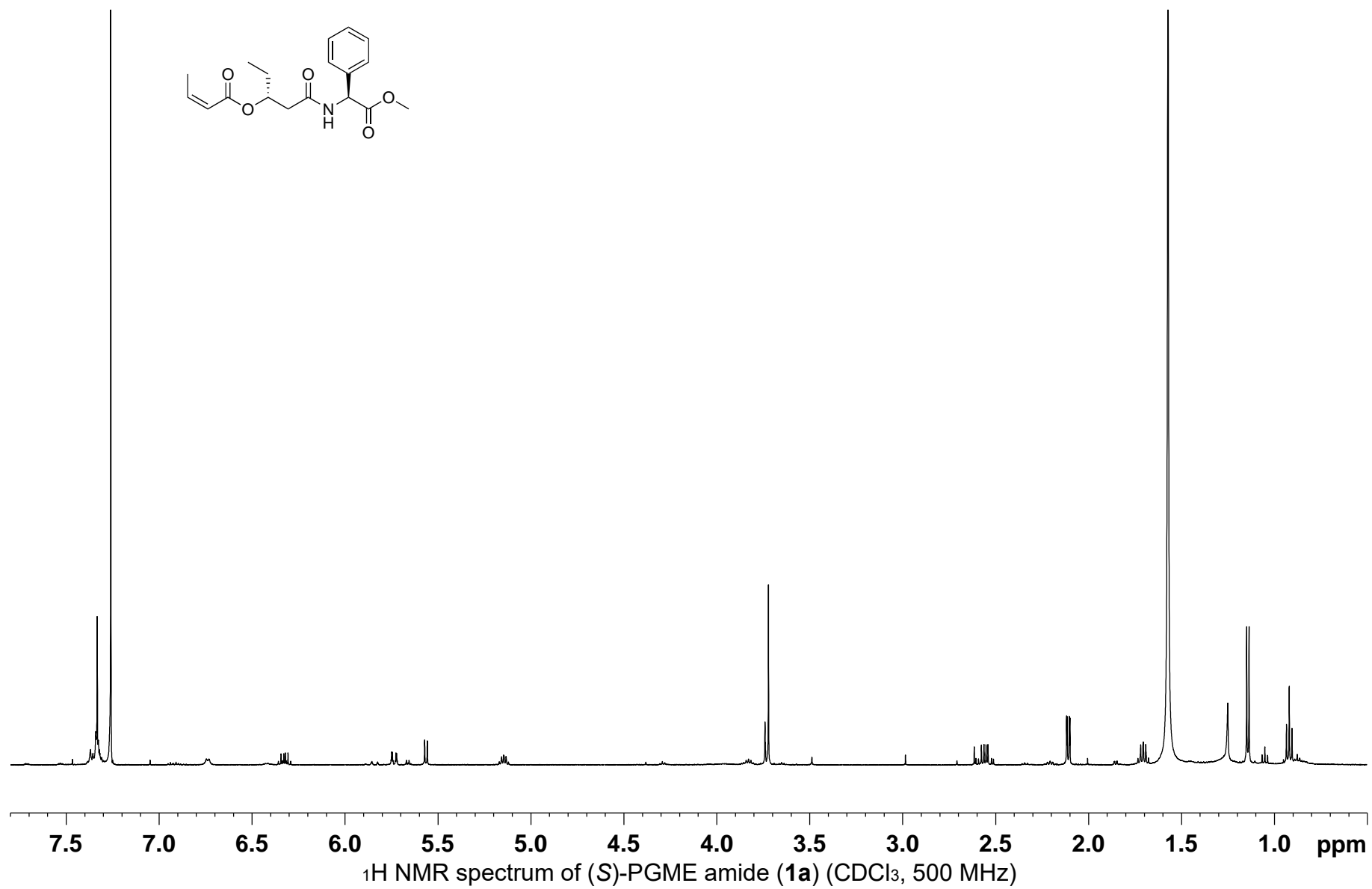
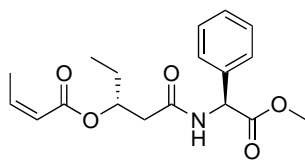


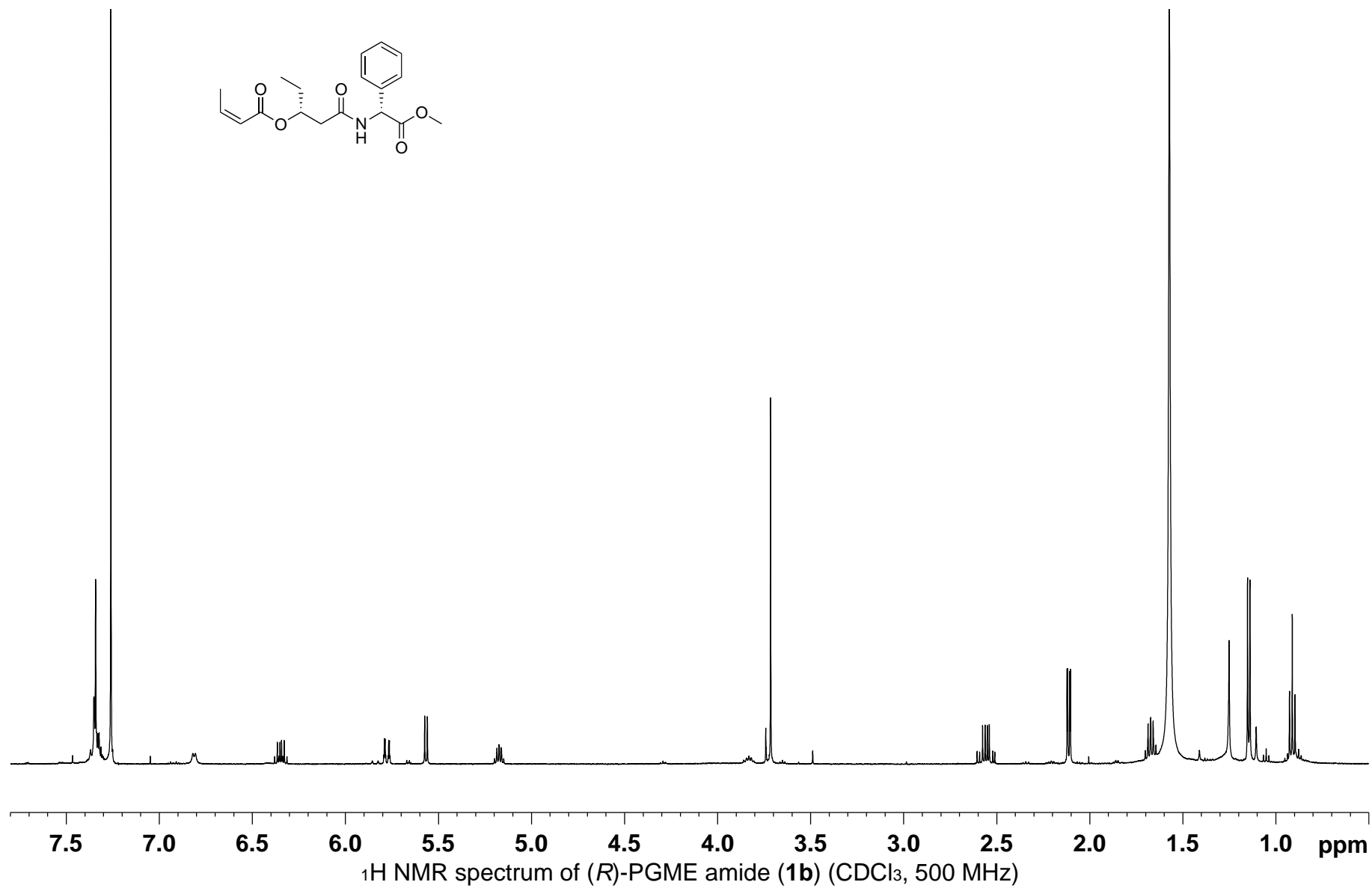
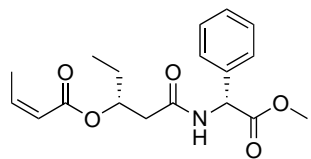
HSQC spectrum of 1 (CDCl<sub>3</sub>, 500 MHz).

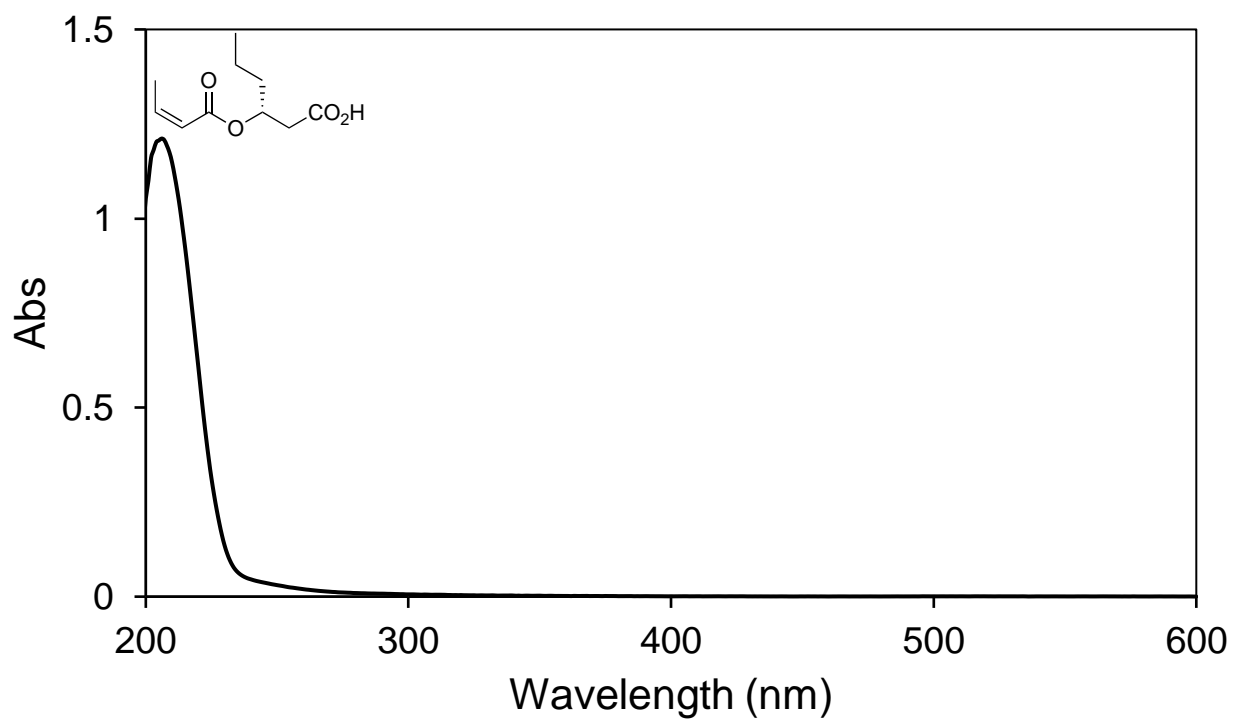




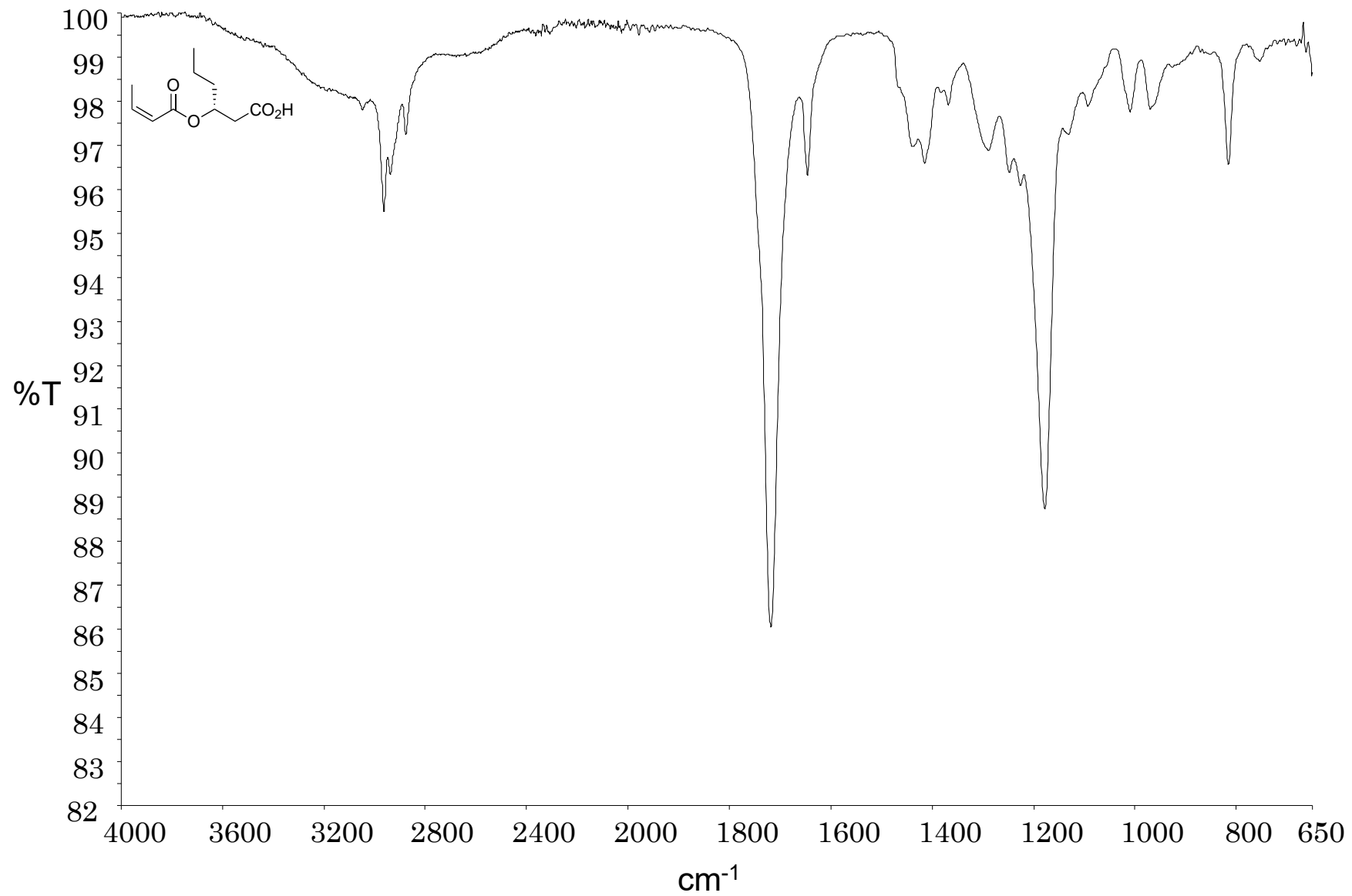
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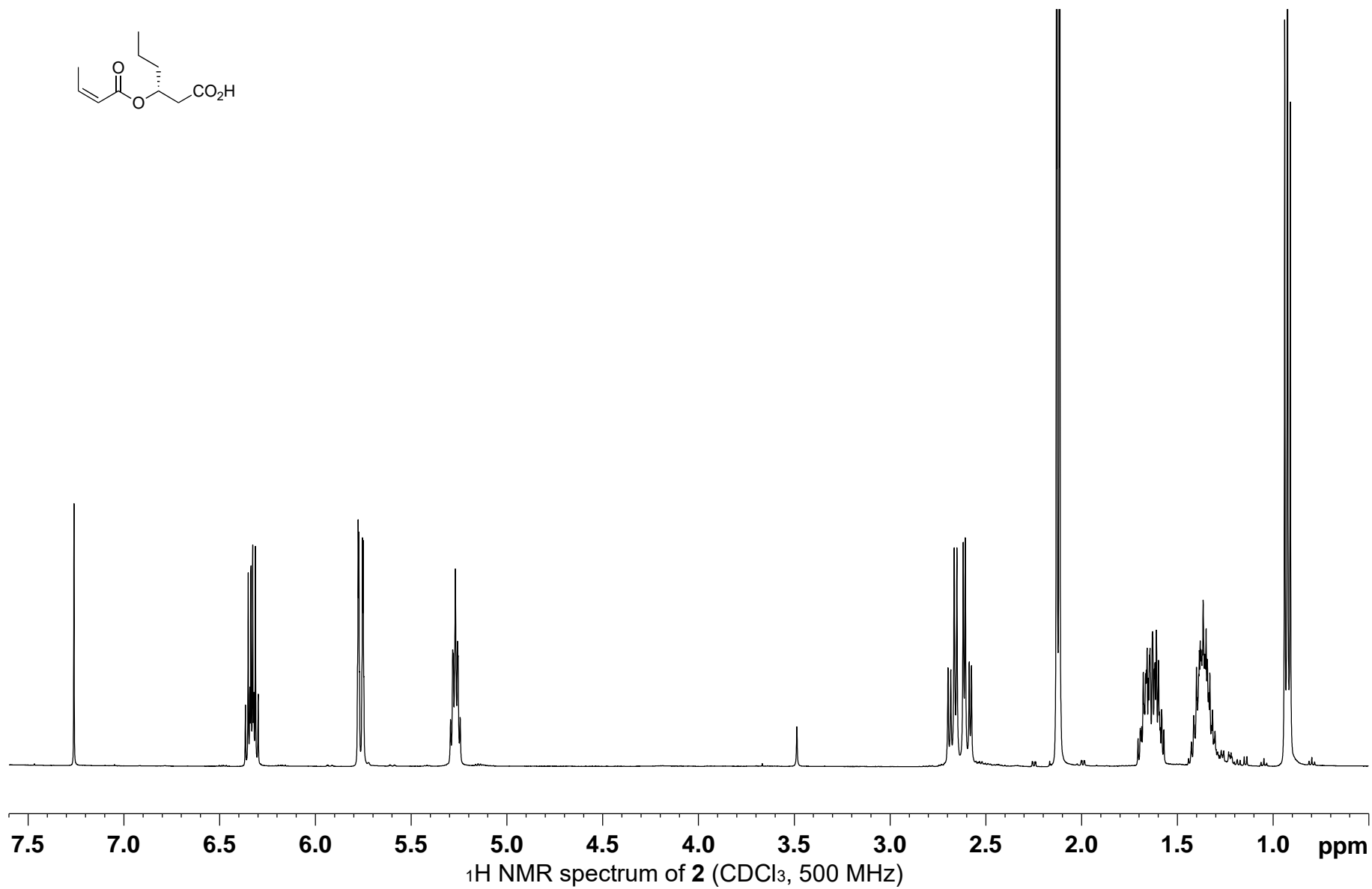
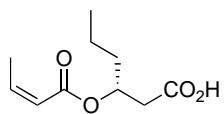


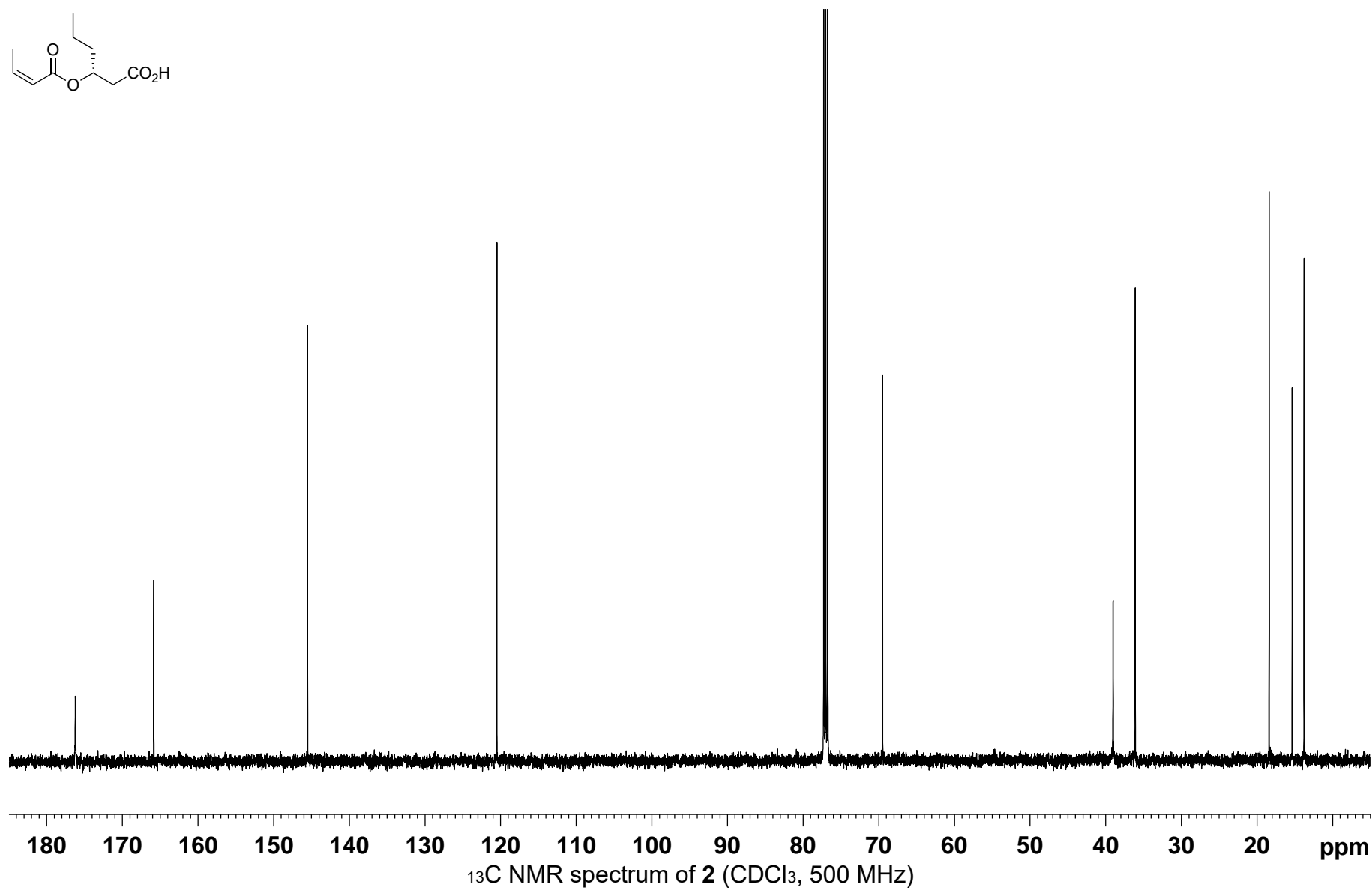
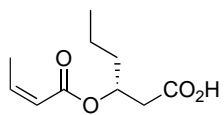
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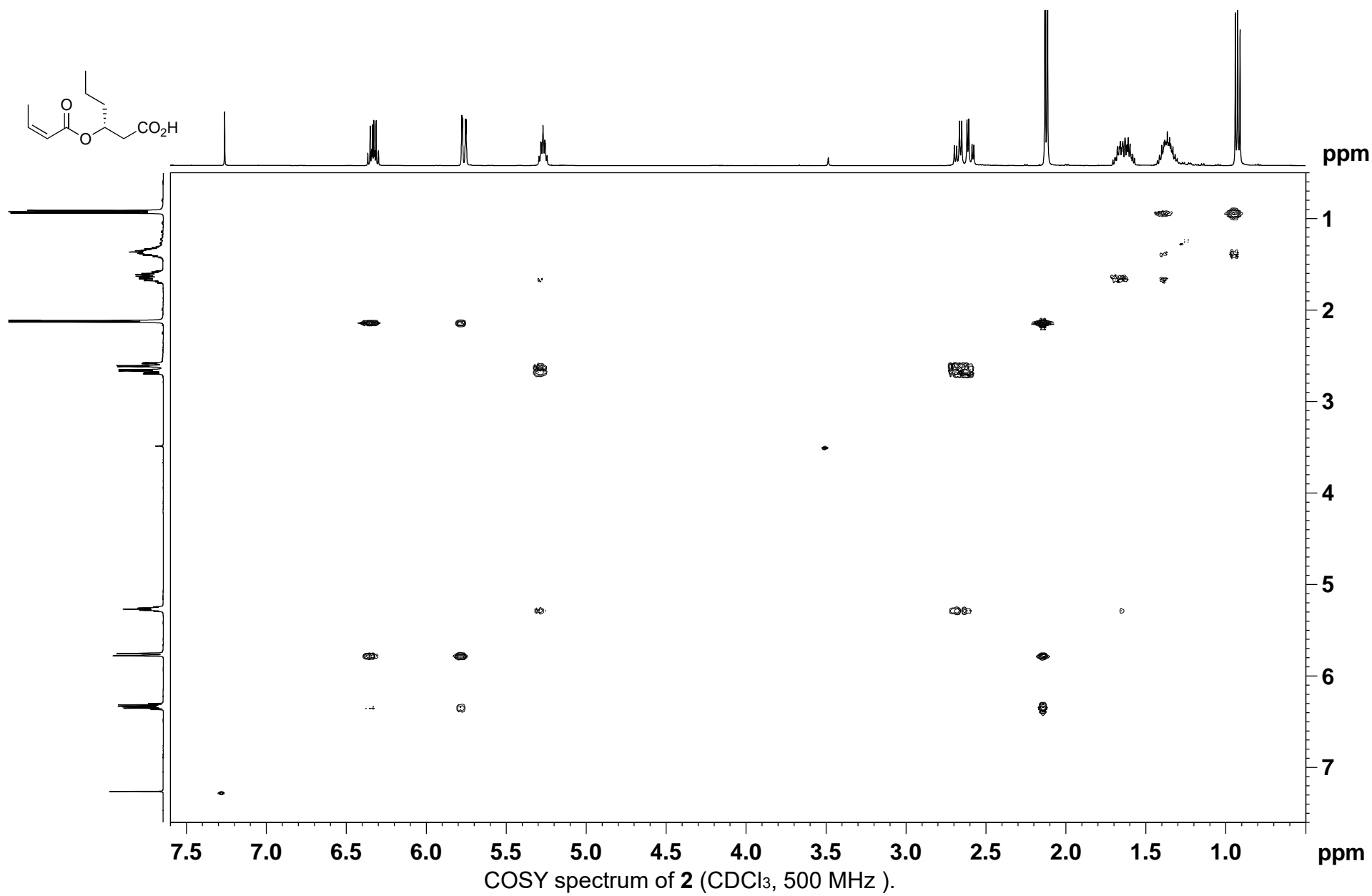
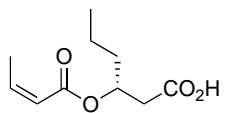


IR spectrum of **2**

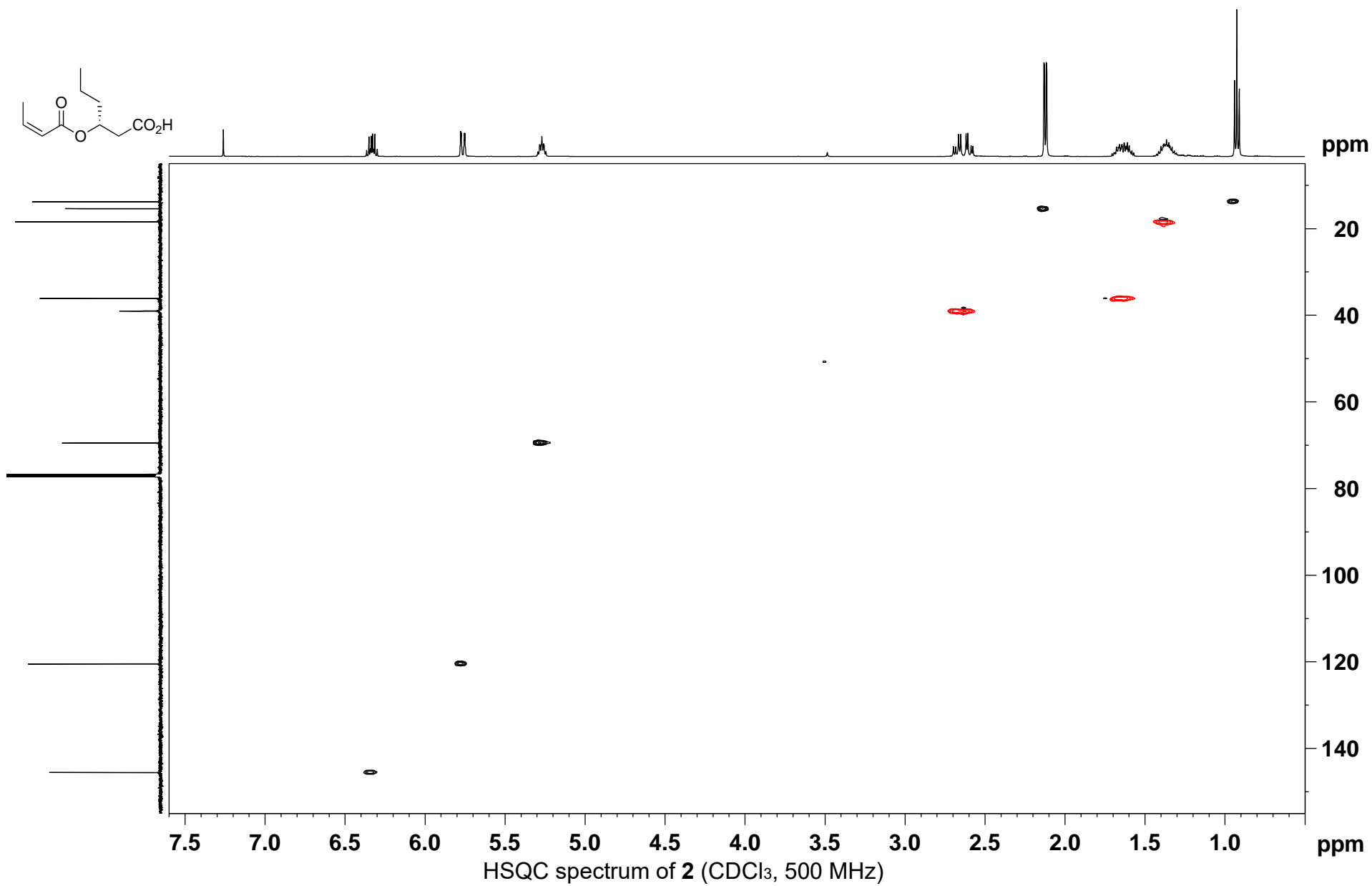
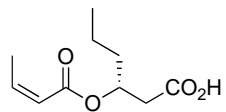
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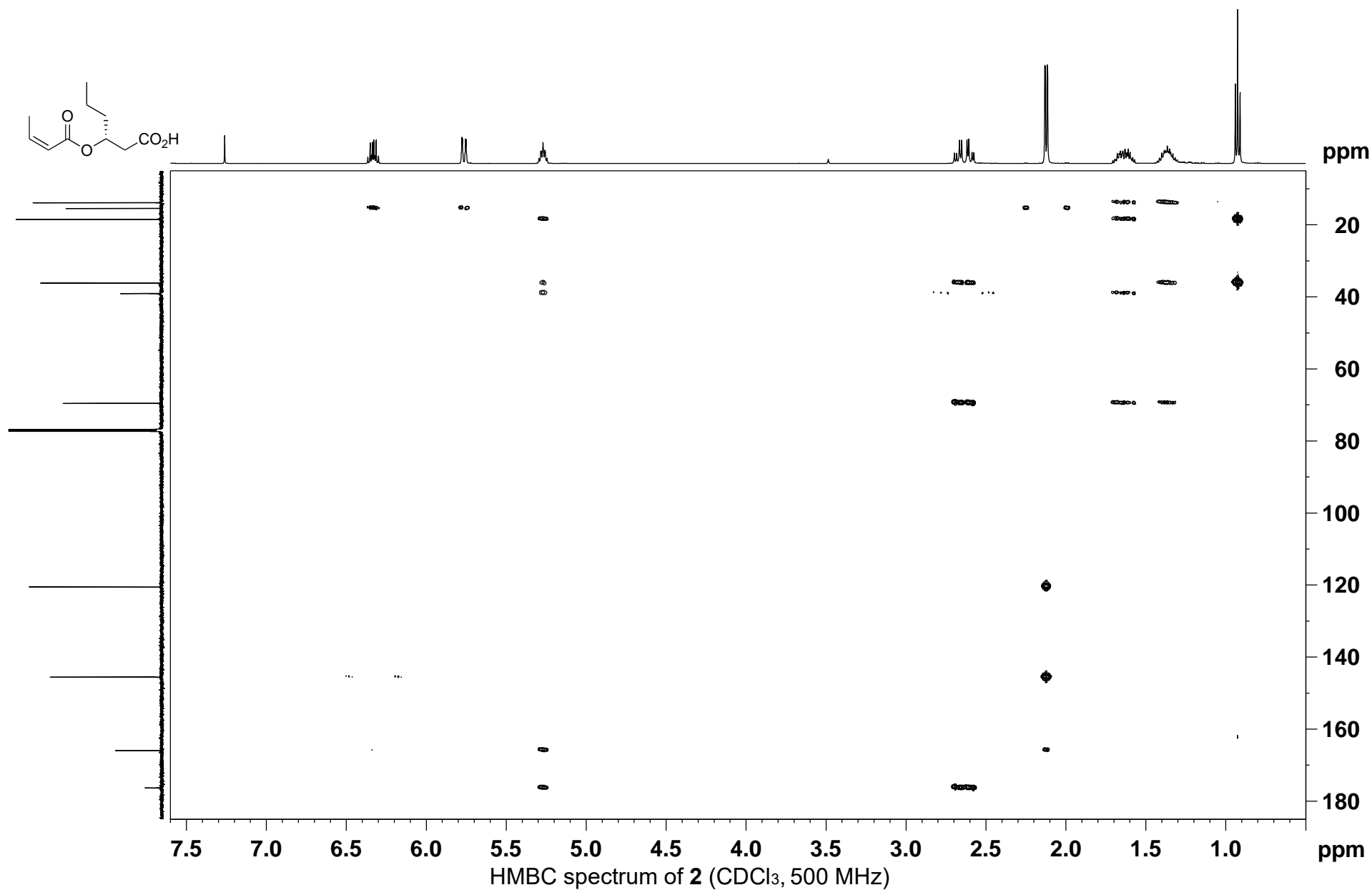
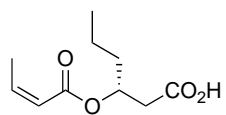


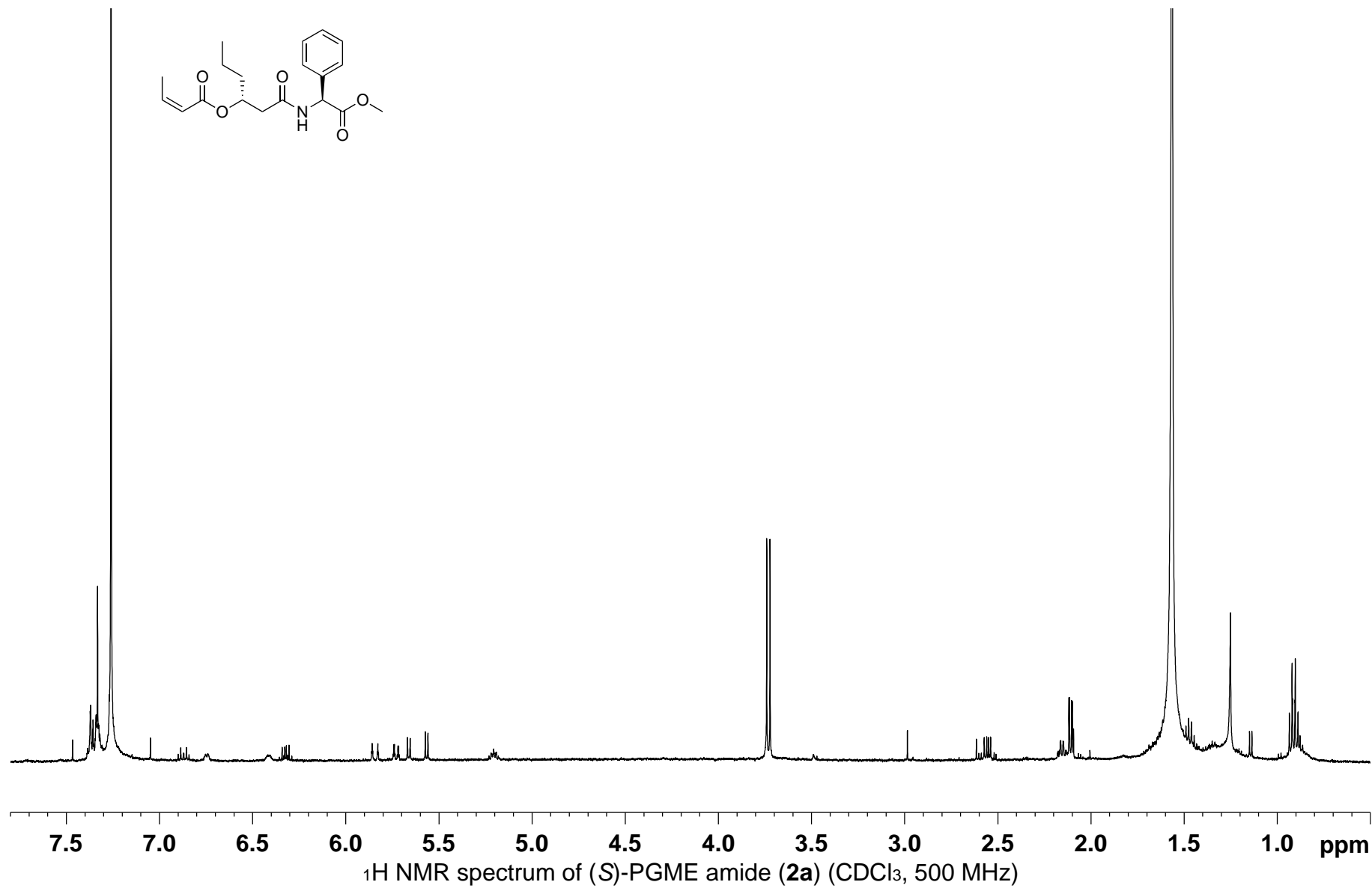
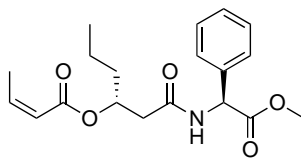


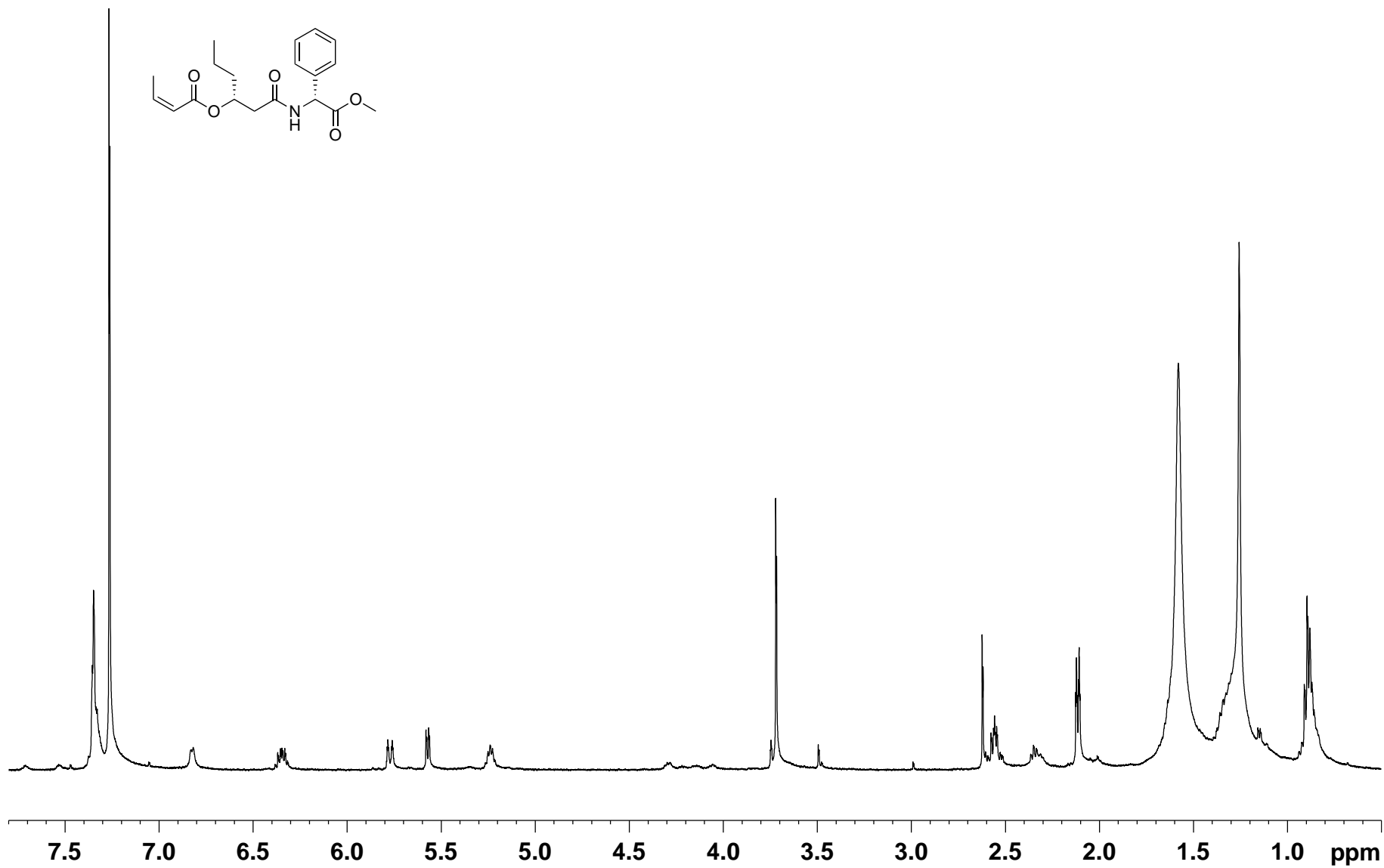
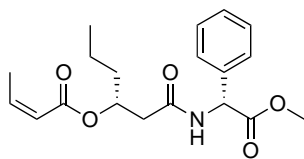




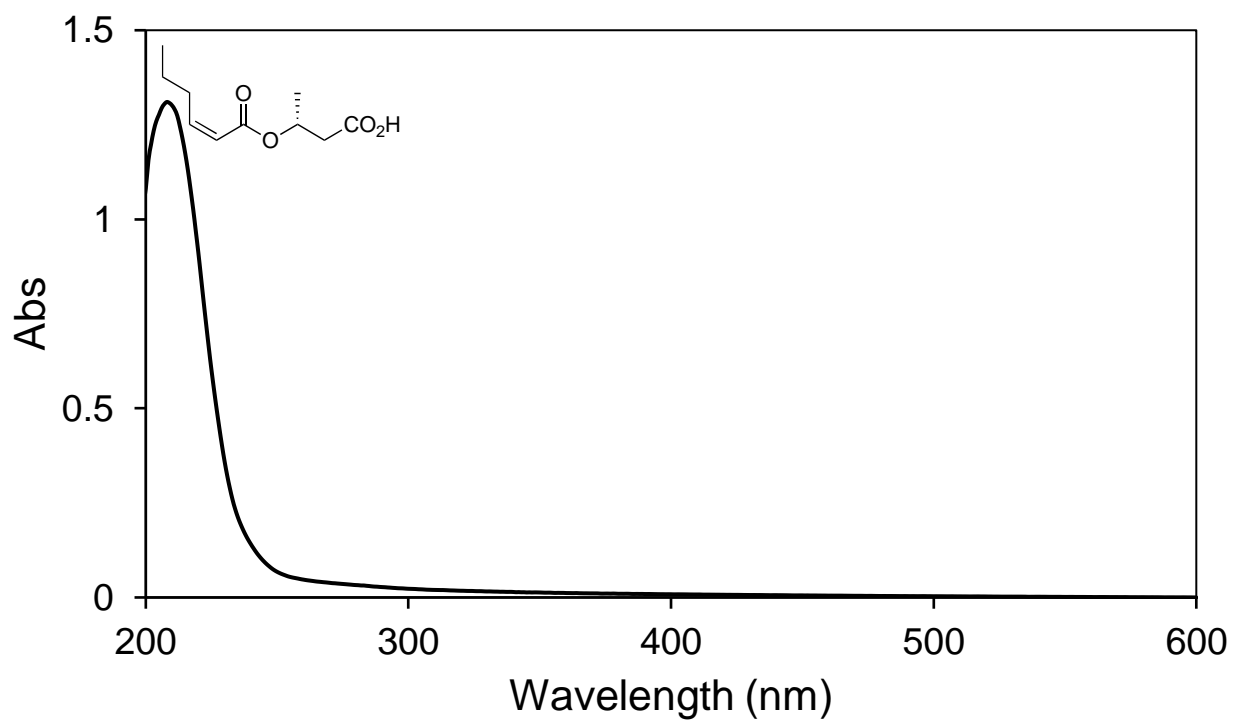




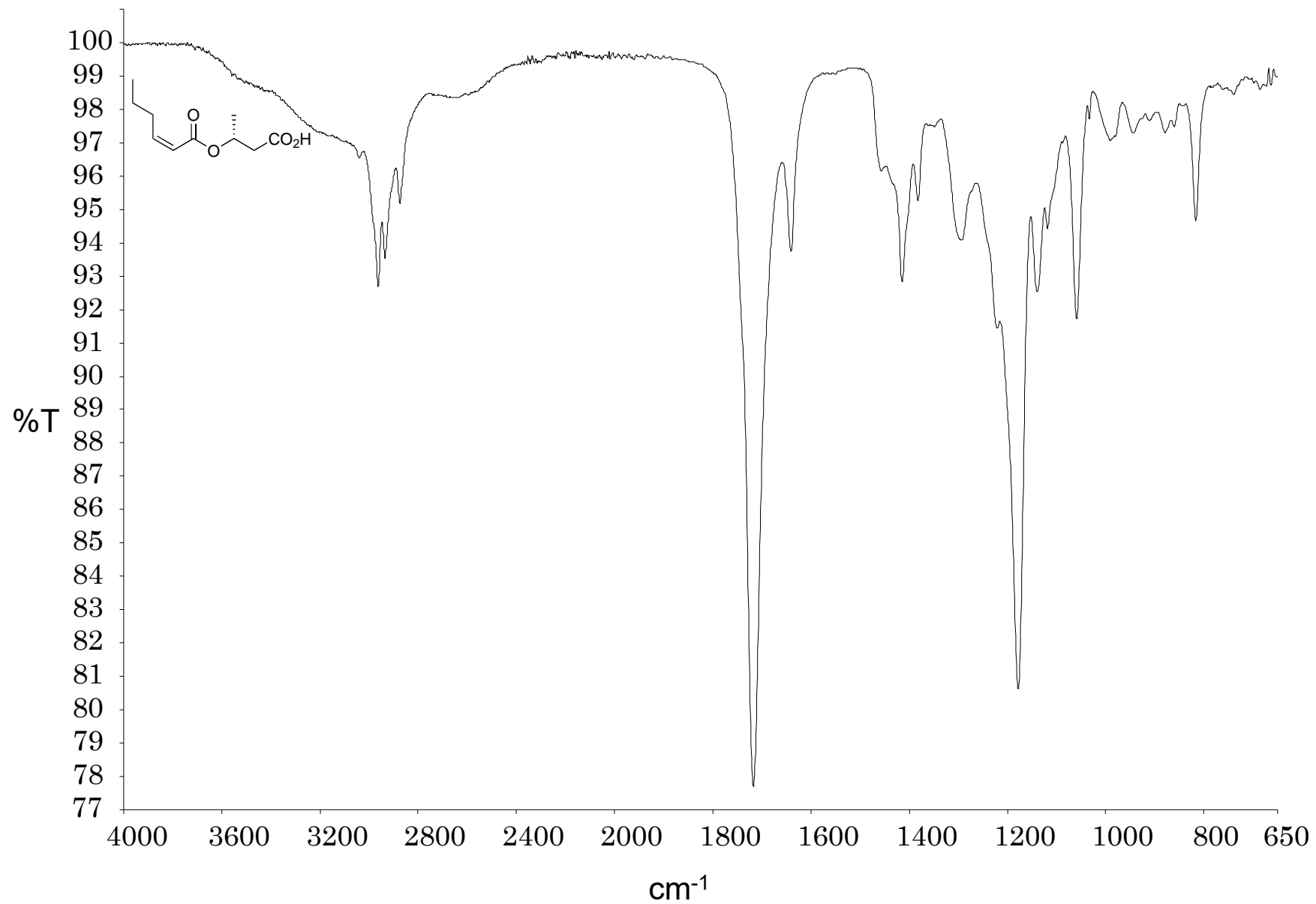




<sup>1</sup>H NMR spectrum of (*R*)-PGME amide (**2b**) (CDCl<sub>3</sub>, 500 MHz)

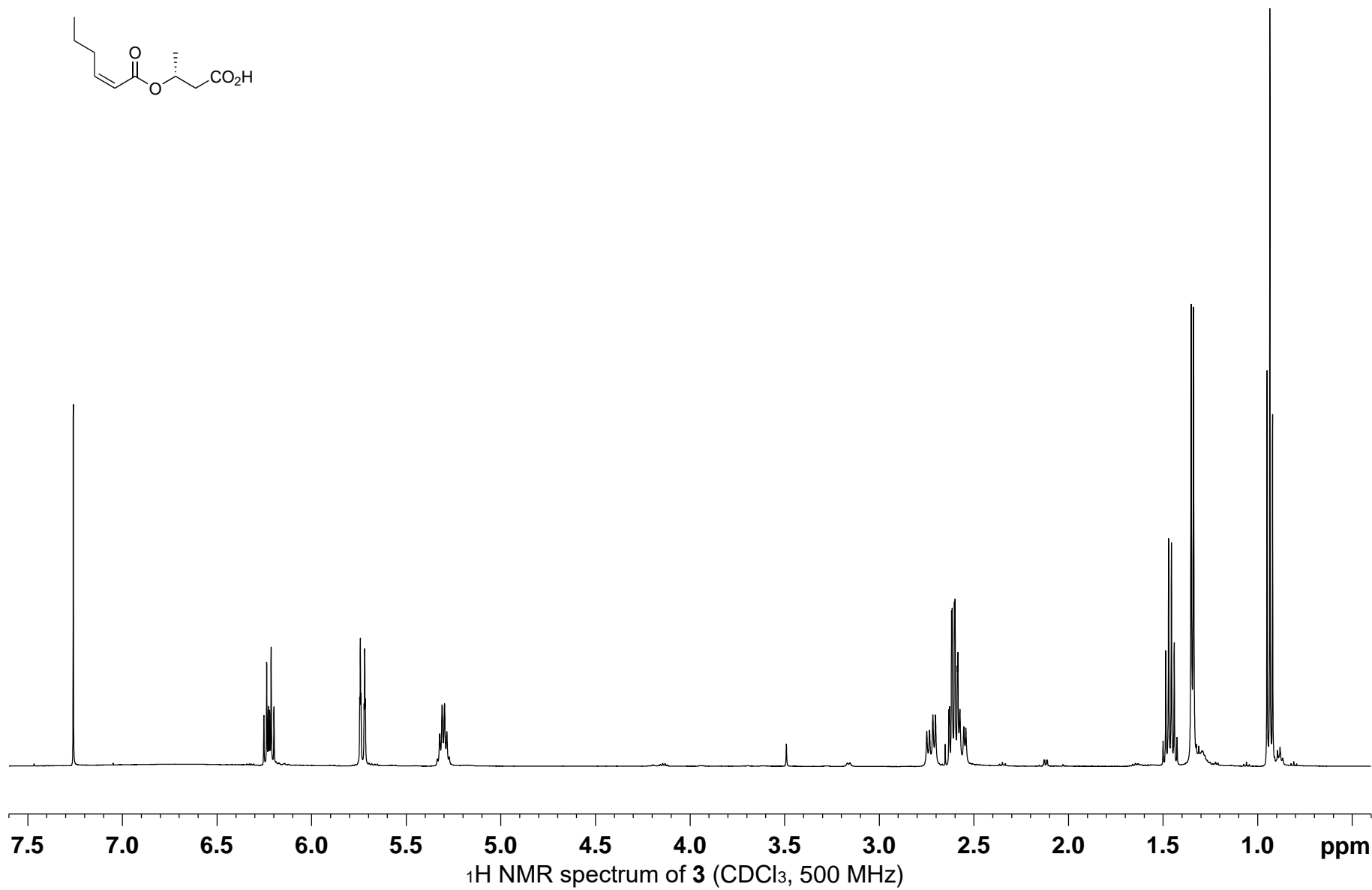
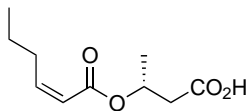


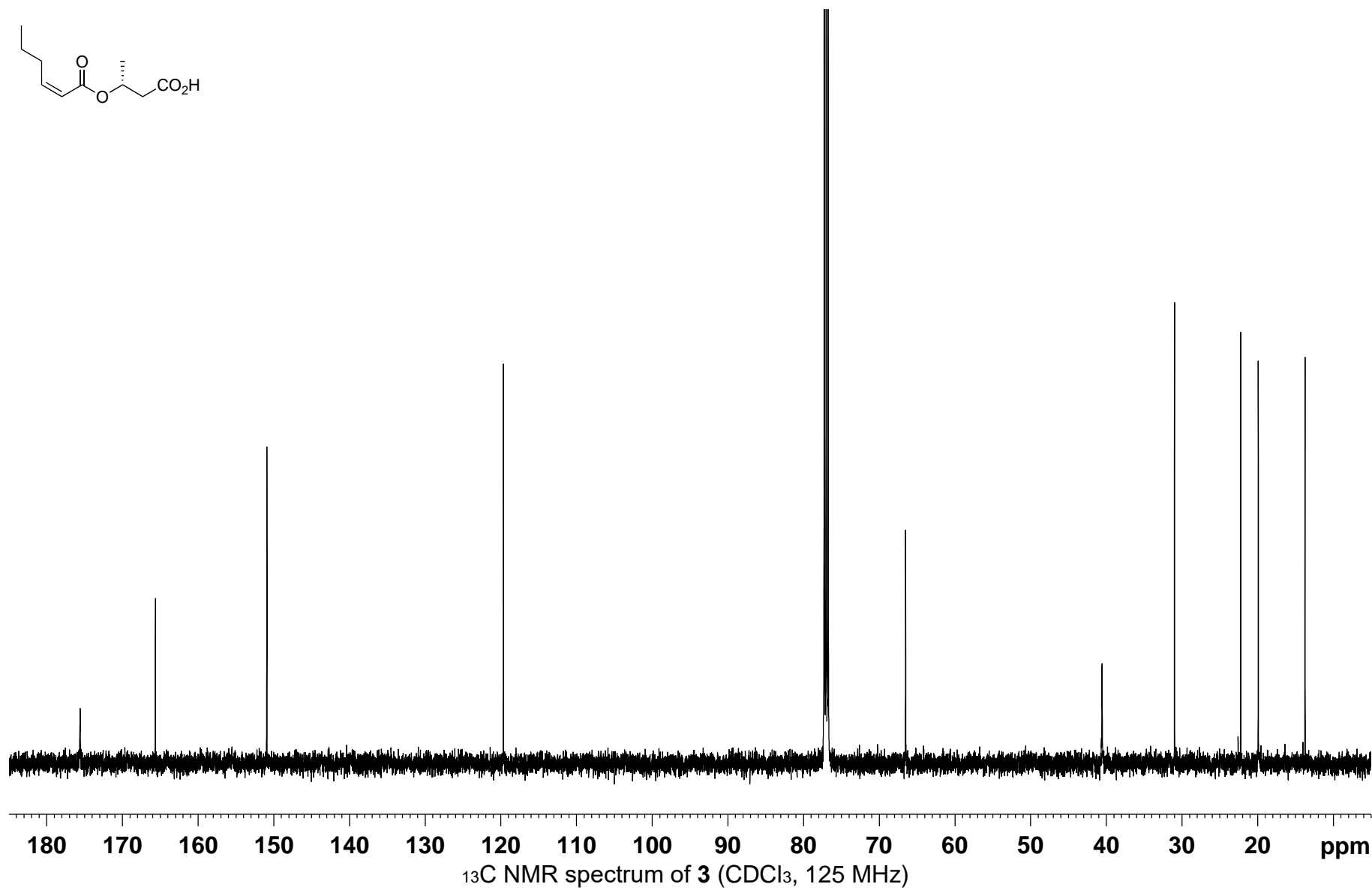
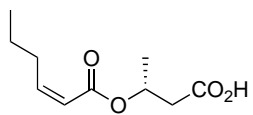
UV spectrum of **3**



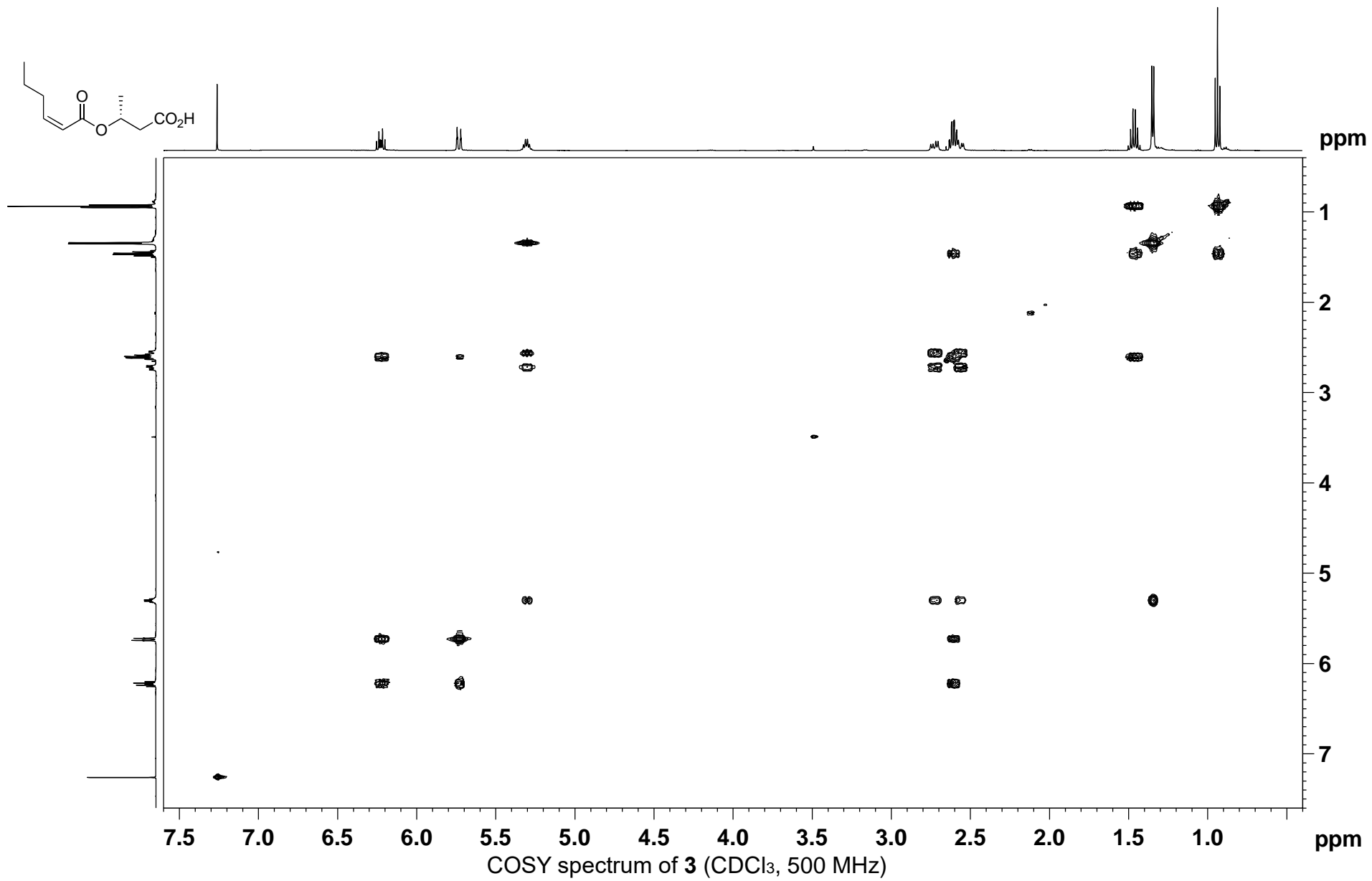
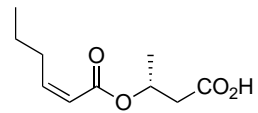
IR spectrum of **3**

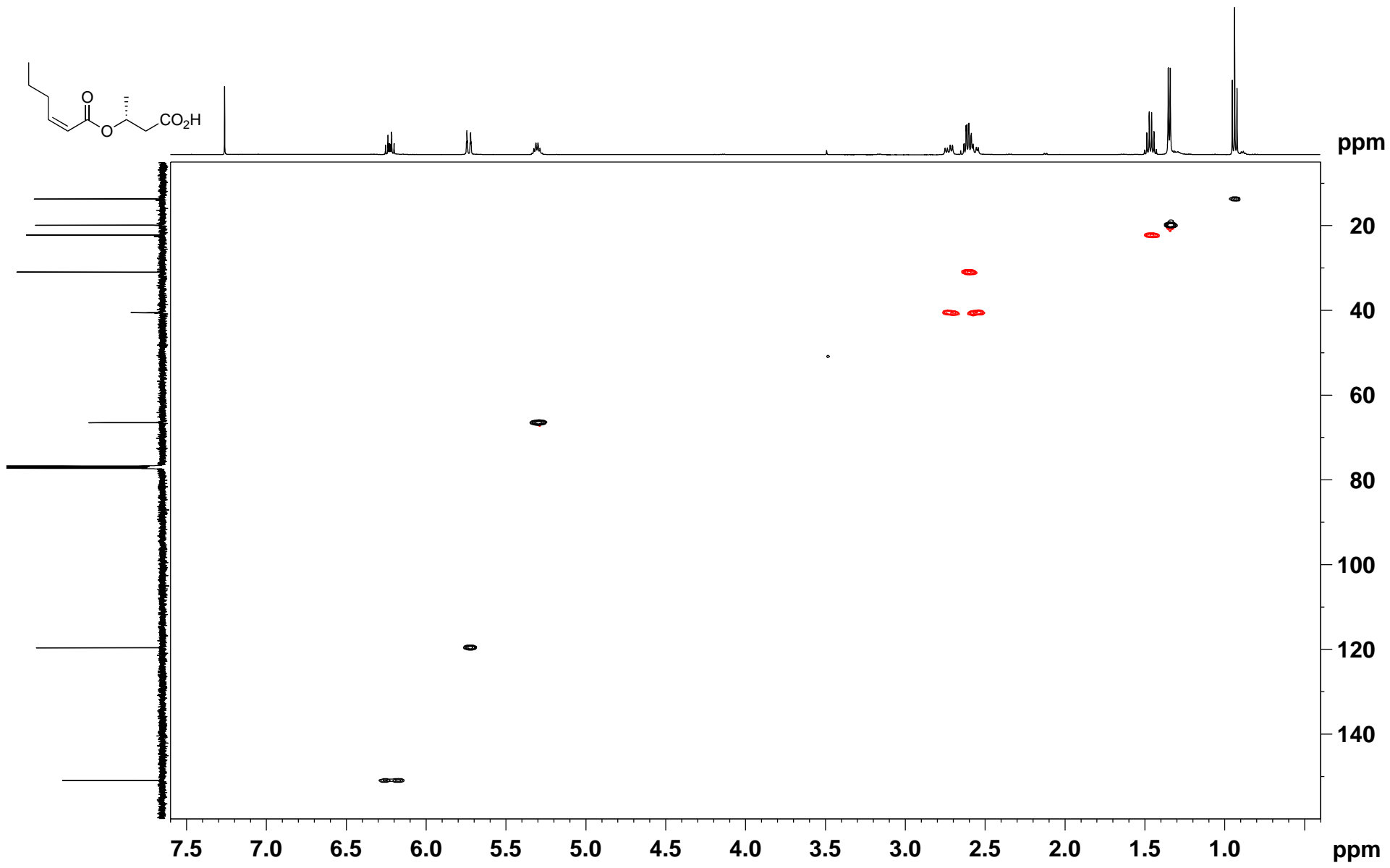
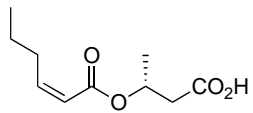
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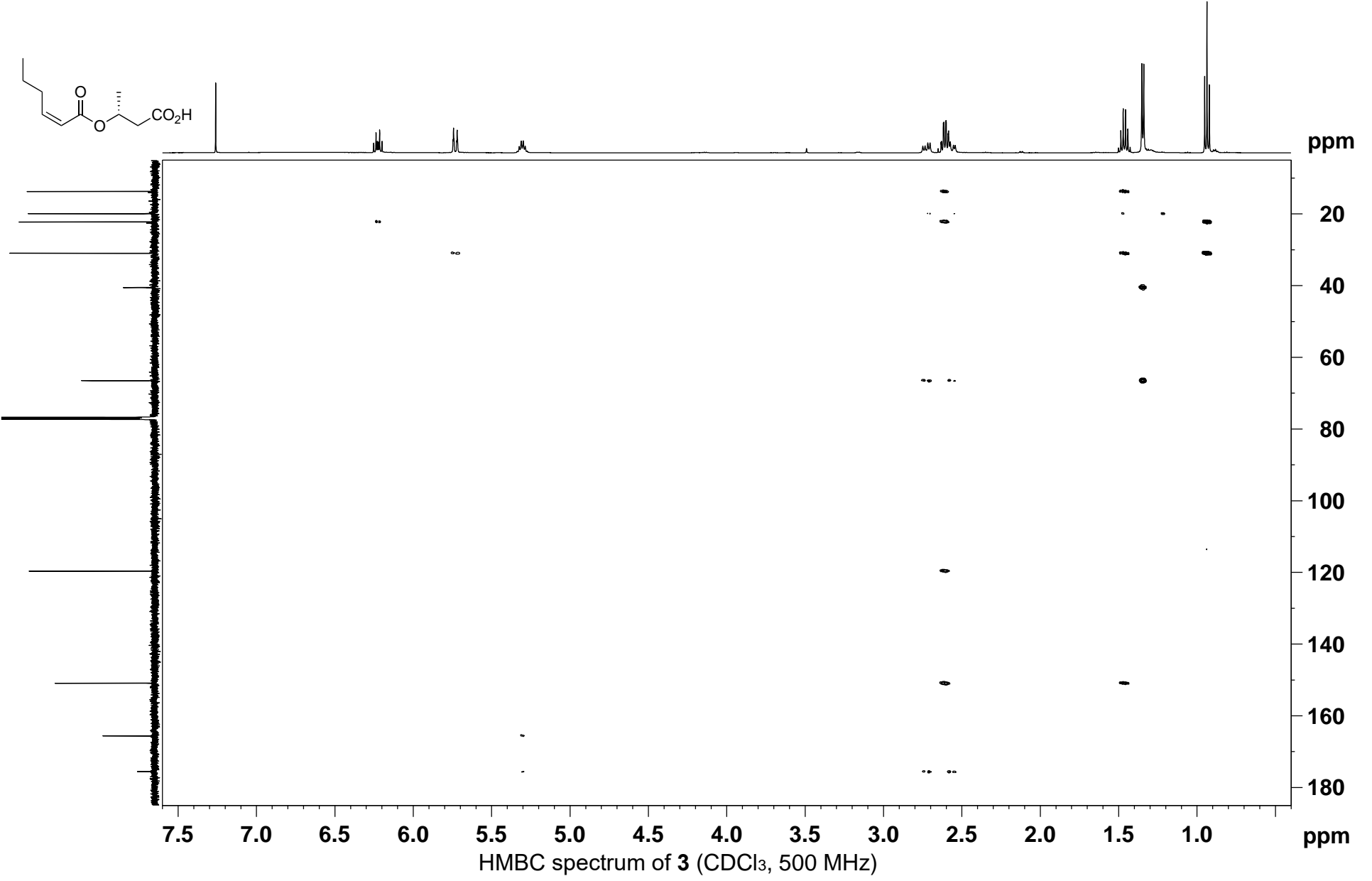
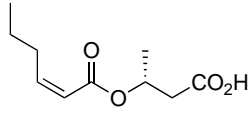


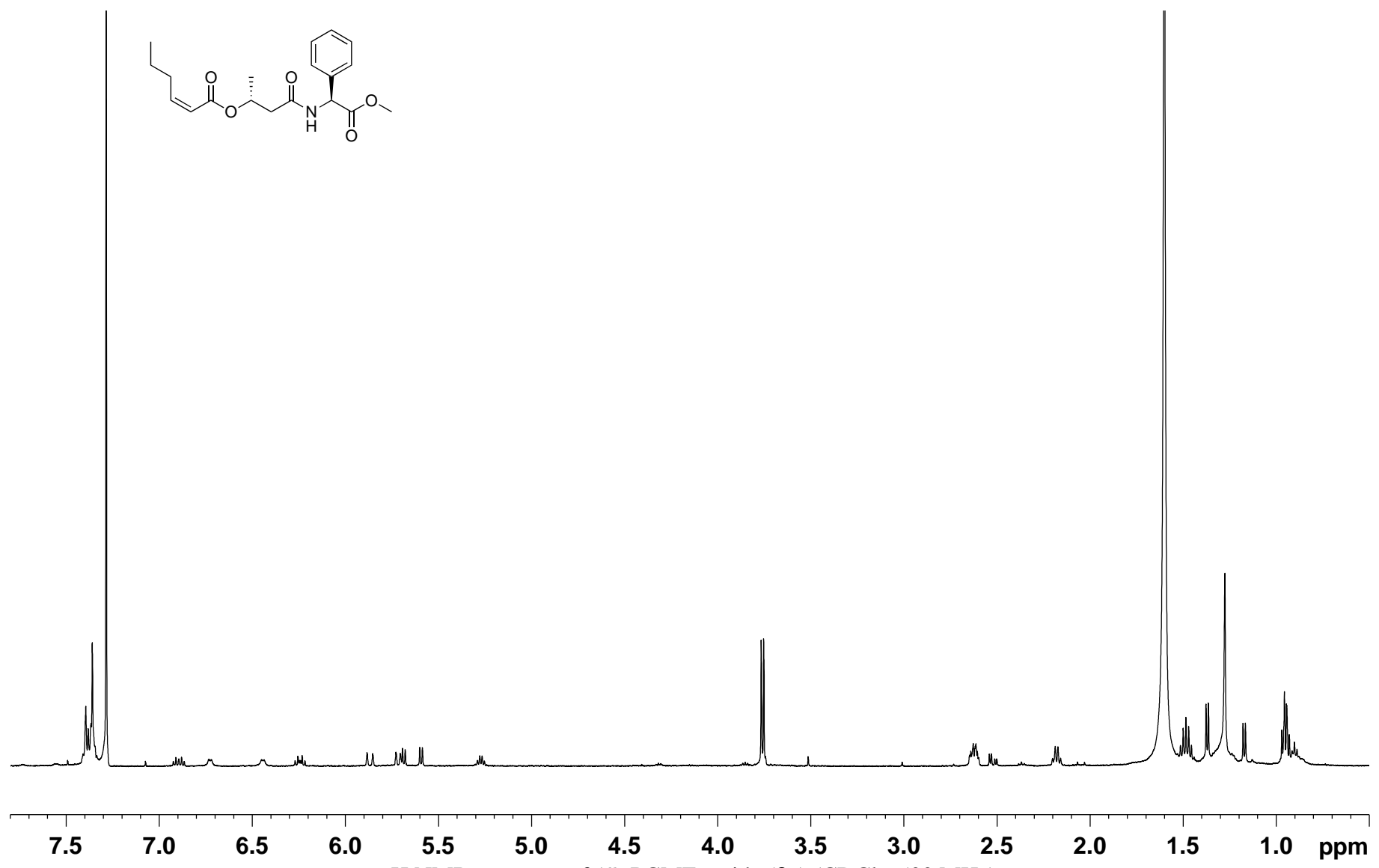
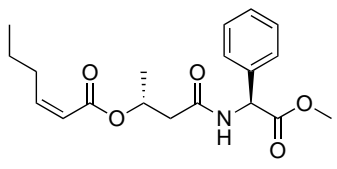




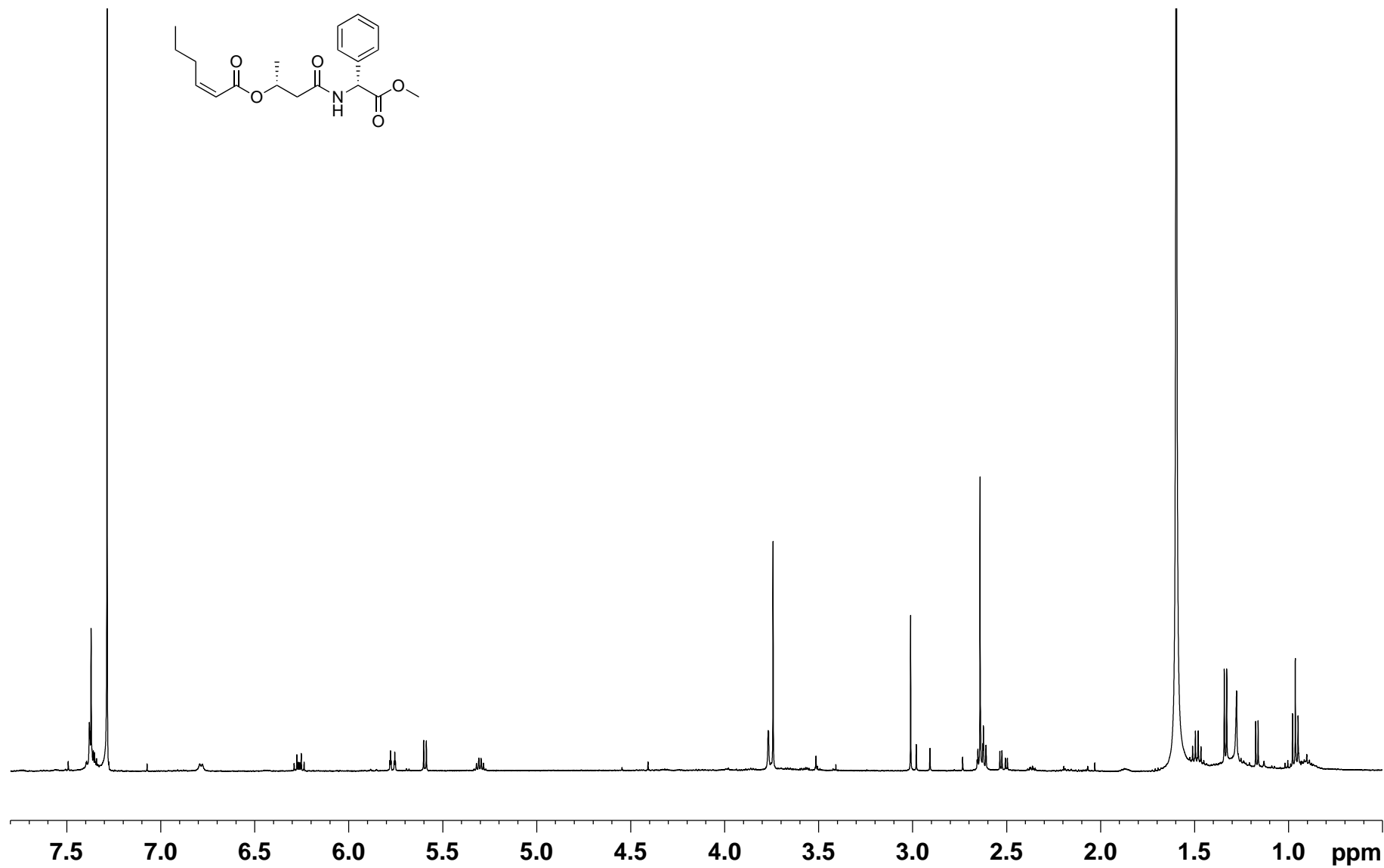
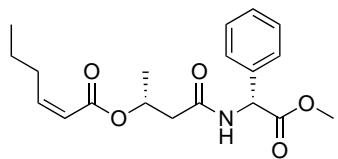


HSQC spectrum of 3 (CDCl<sub>3</sub>, 500 MHz)

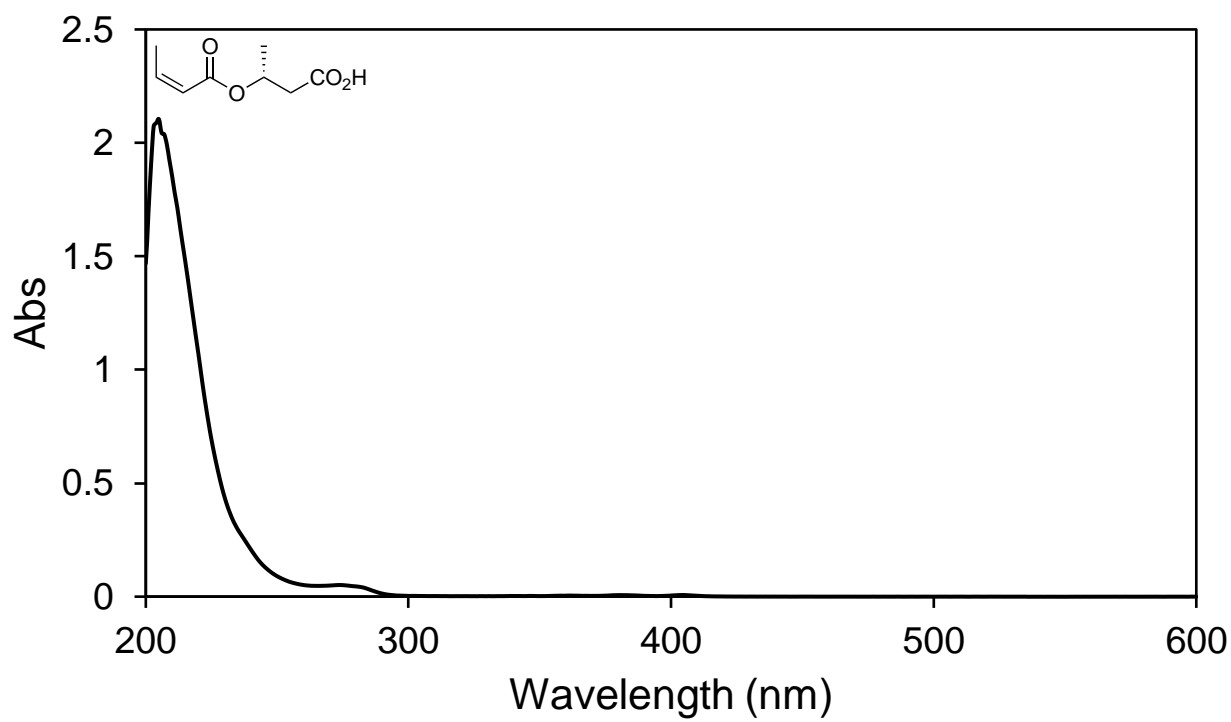




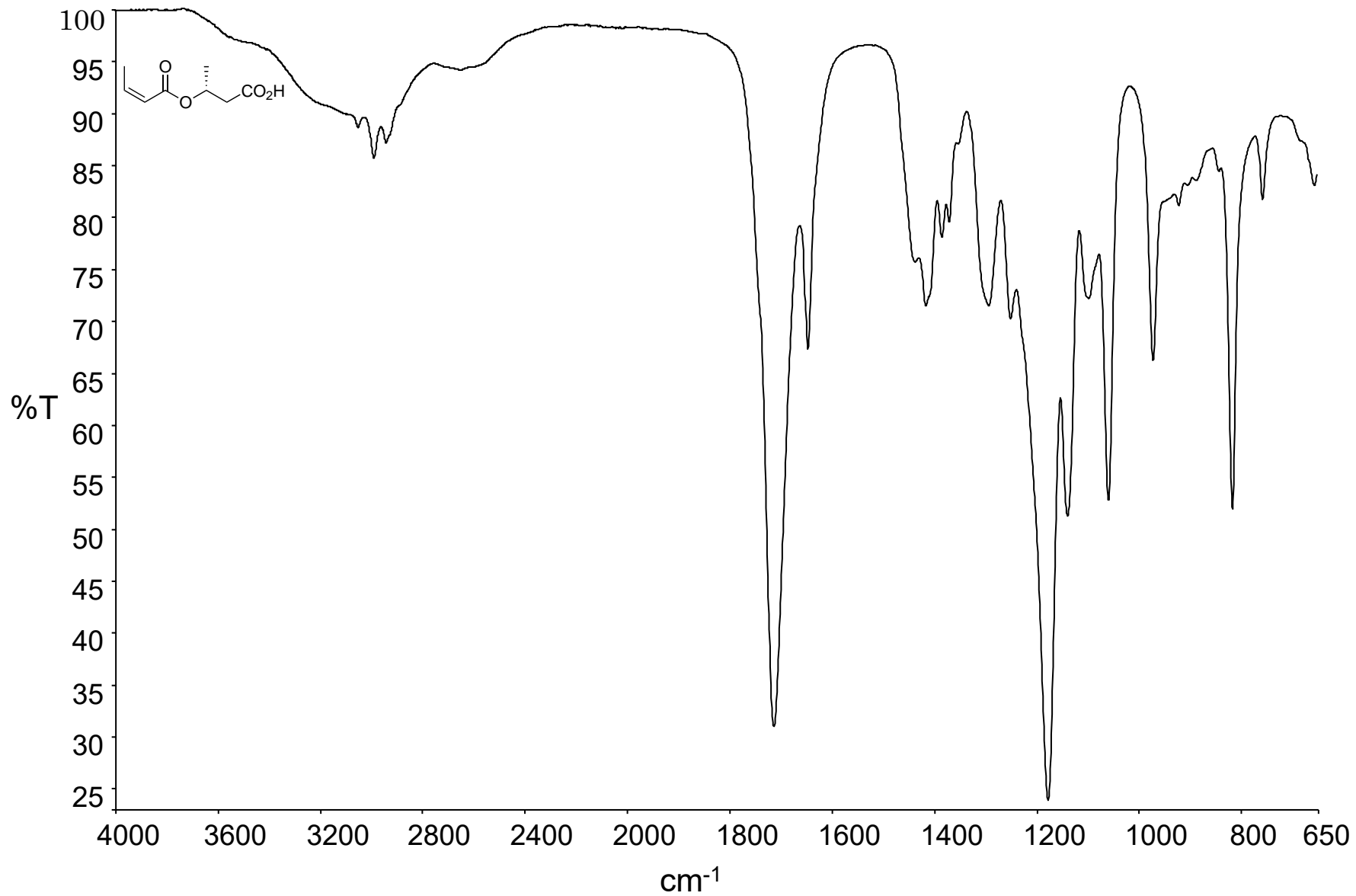
<sup>1</sup>H NMR spectrum of (*S*)-PGME amide (**3a**) (CDCl<sub>3</sub>, 500 MHz)



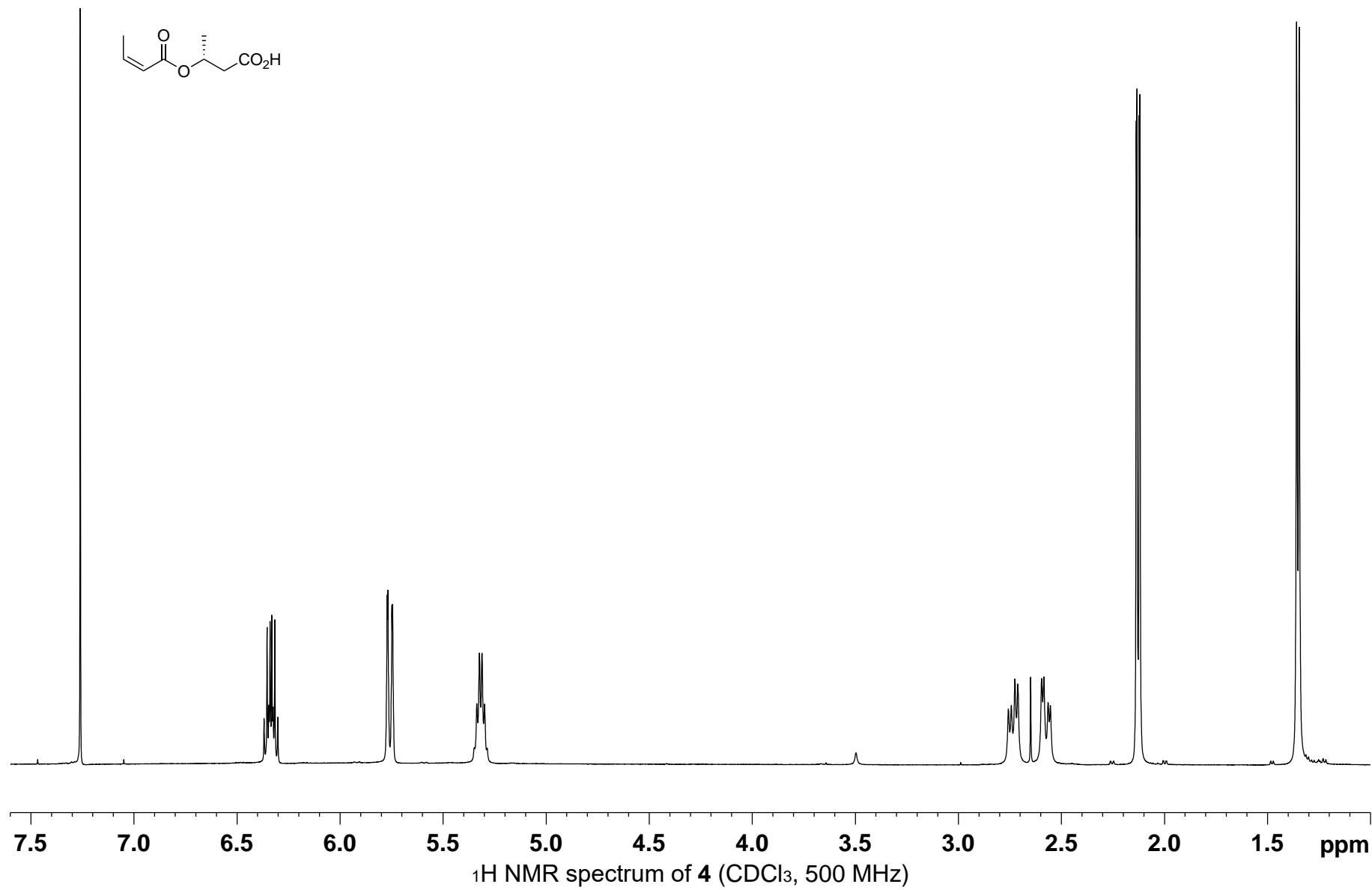
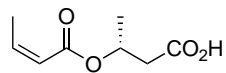
<sup>1</sup>H NMR spectrum of (*R*)-PGME amide (**3b**) (CDCl<sub>3</sub>, 500 MHz)



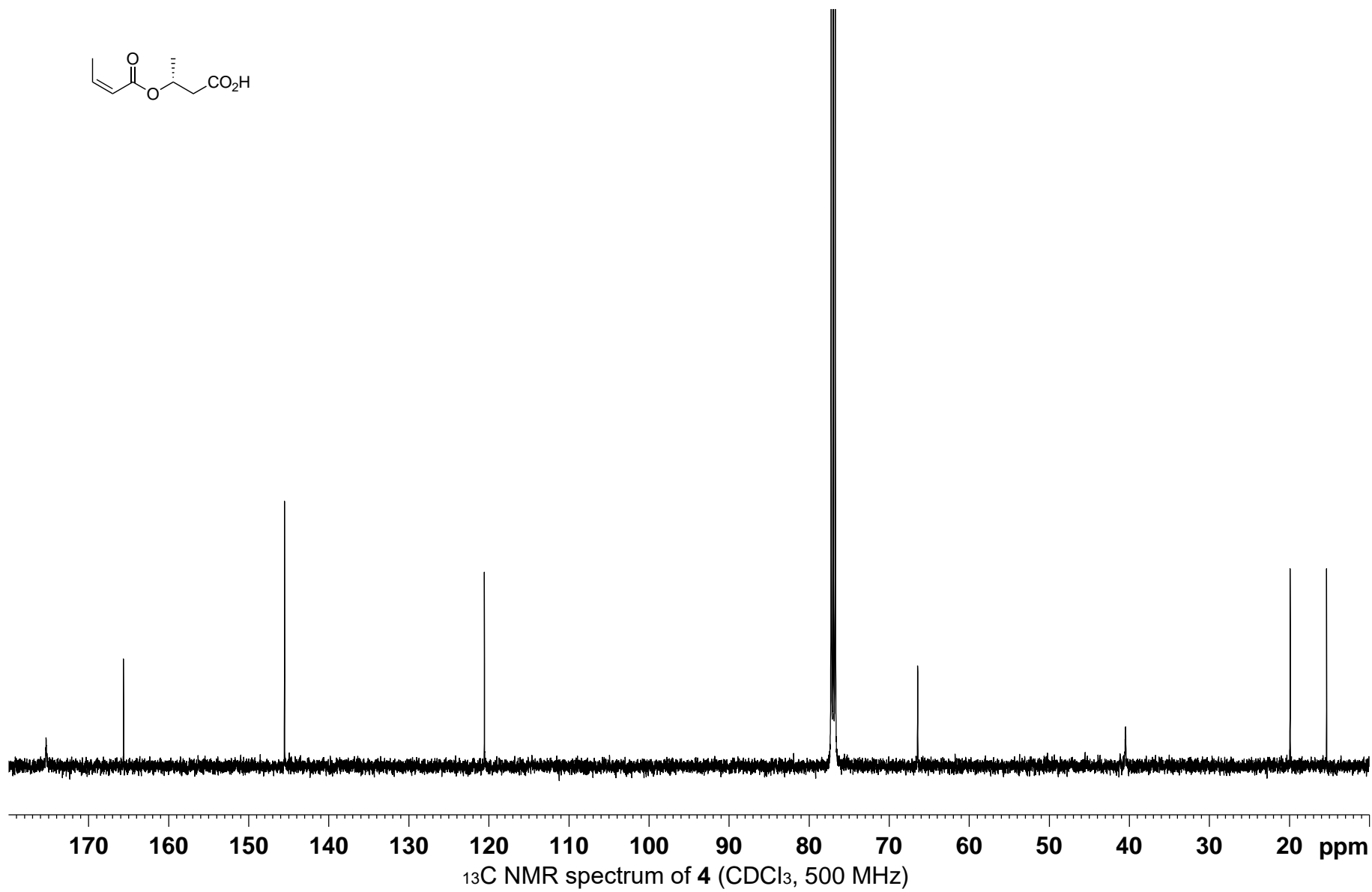
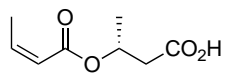
UV spectrum of **4**

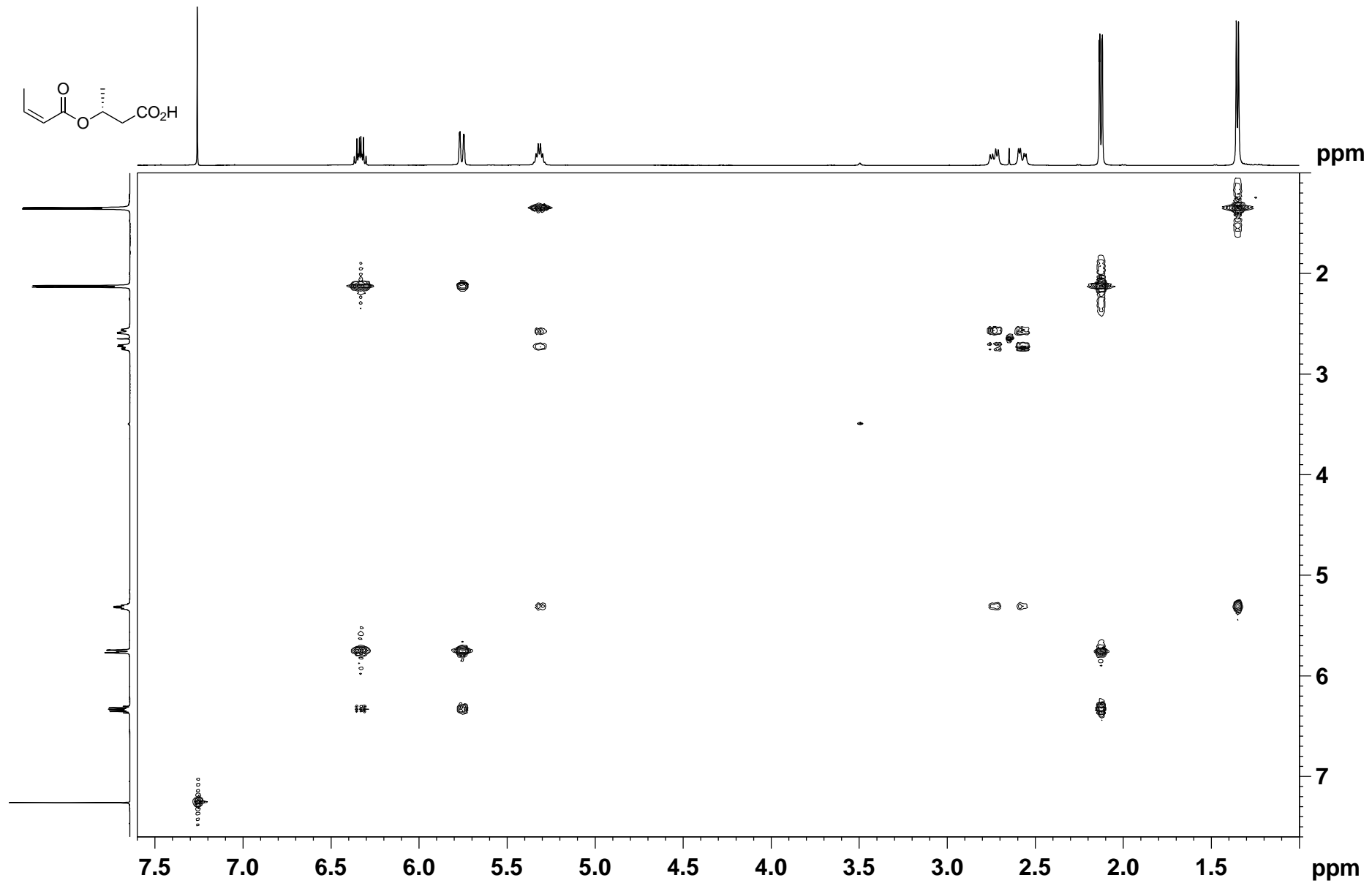
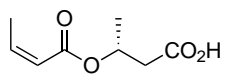


UV spectrum of **4**



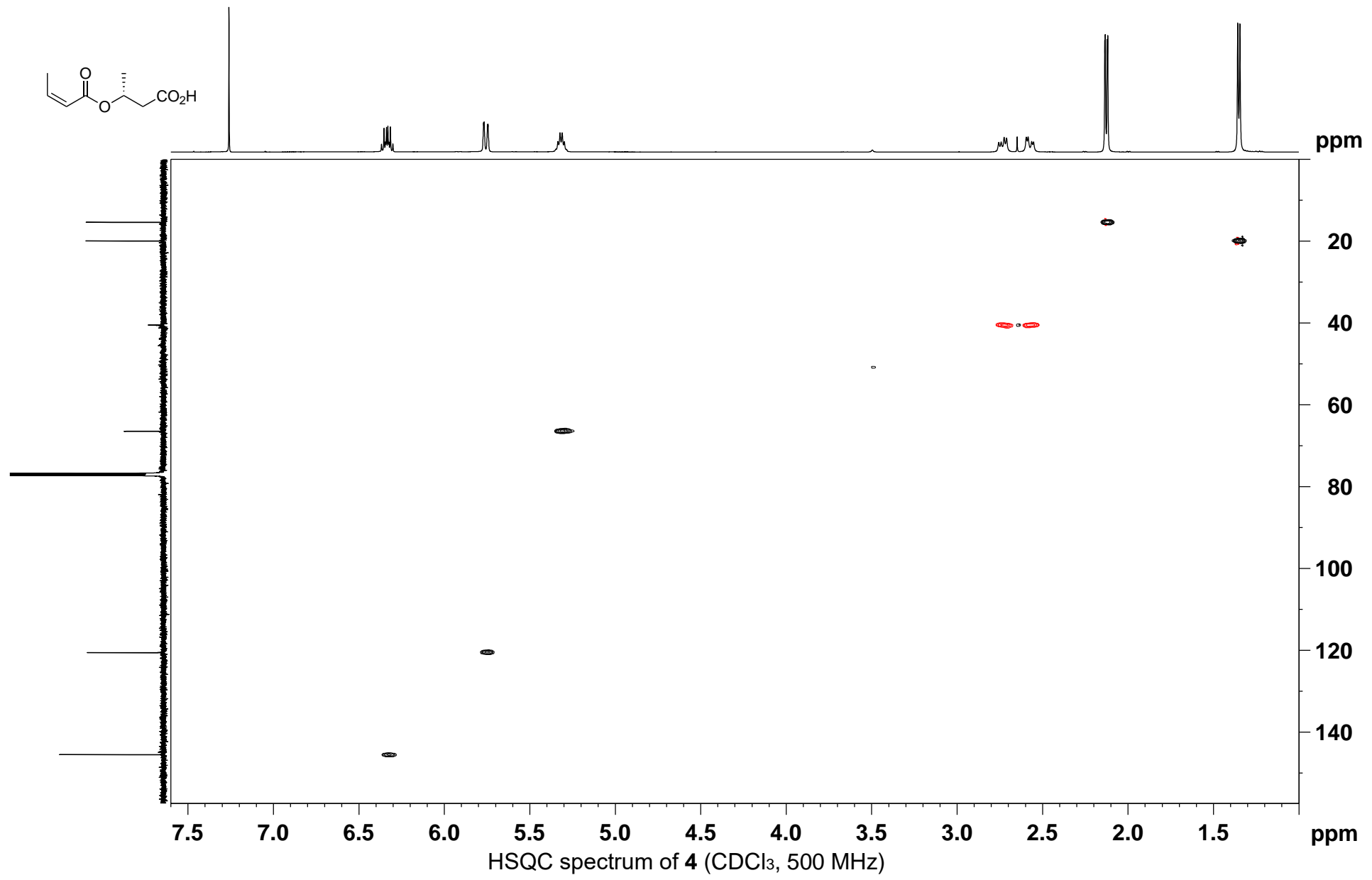
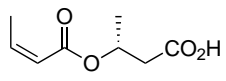


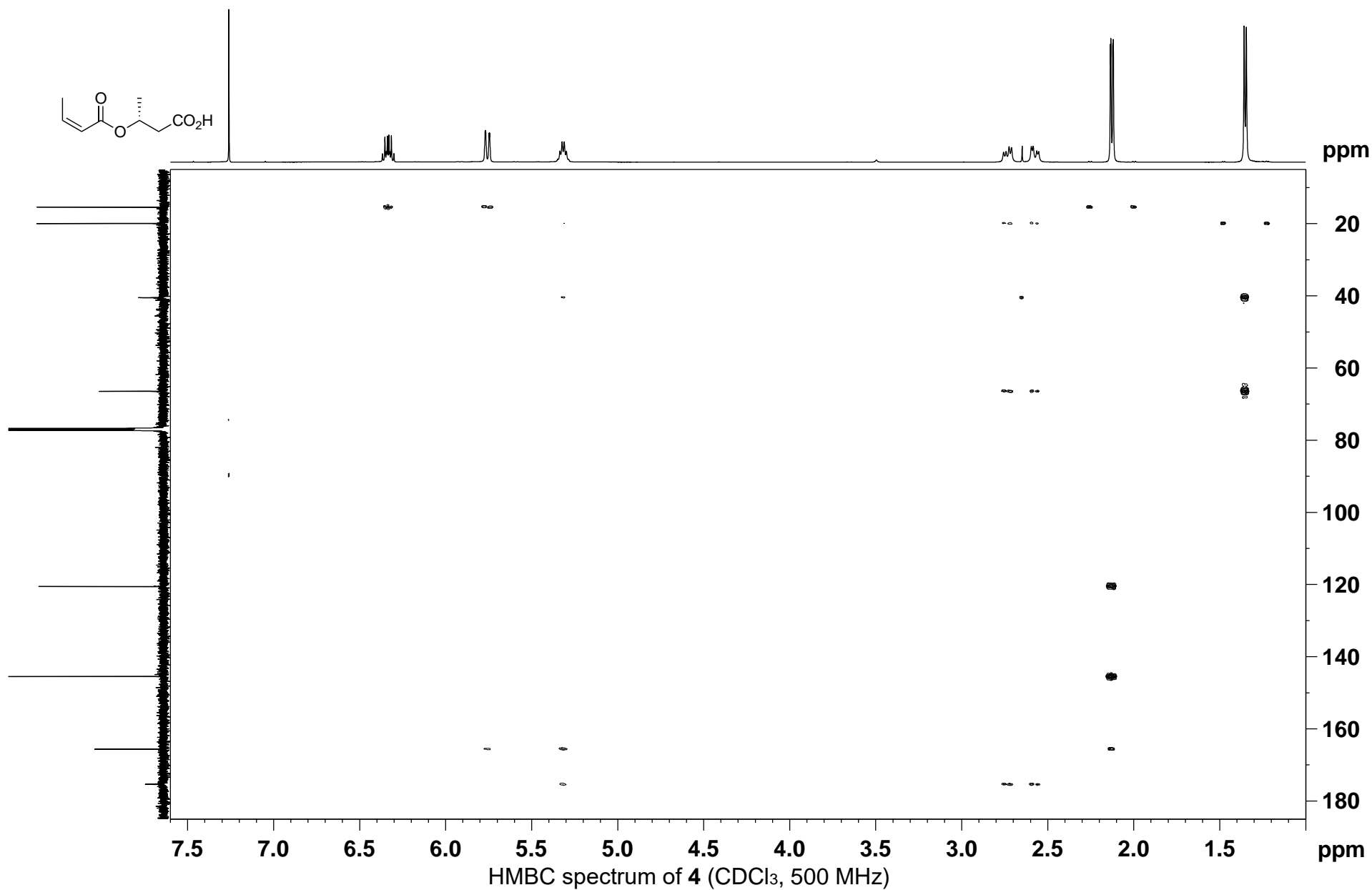
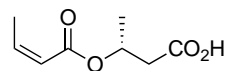


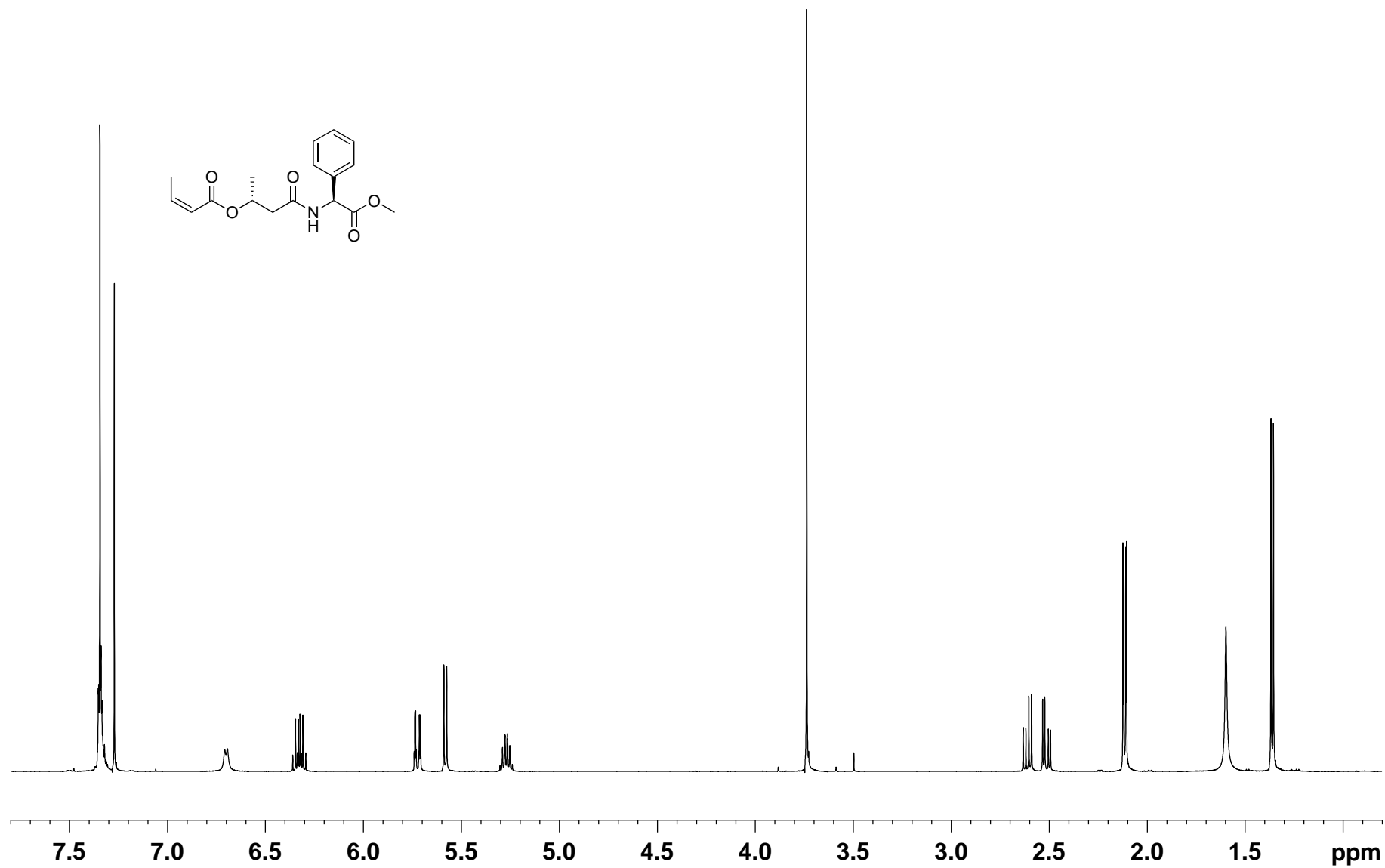
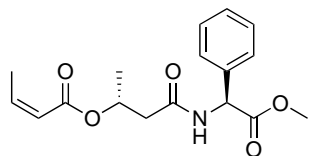


COSY spectrum of 4 (CDCl<sub>3</sub>, 500 MHz)

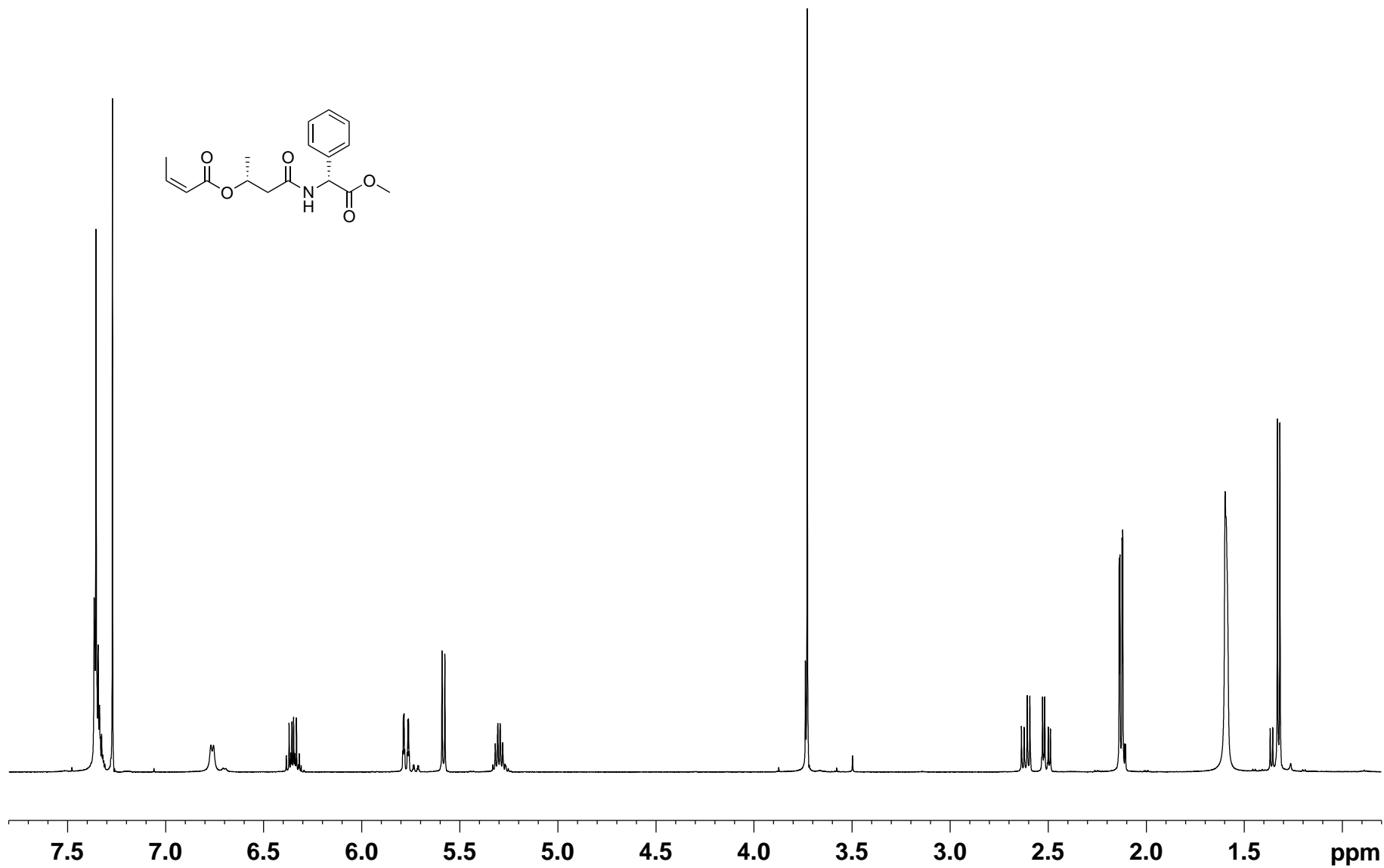
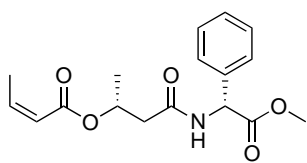
S34







$^1\text{H}$  NMR spectrum of (*S*)-PGME amide (**4a**) ( $\text{CDCl}_3$ , 500 MHz)



$^1\text{H}$  NMR spectrum of (R)-PGME amide (4b) (CDCl<sub>3</sub>, 500 MHz)