

Figure S1: 500 MHz  $^1\text{H}$  NMR spectrum of **1** ( $\text{CDCl}_3$ )

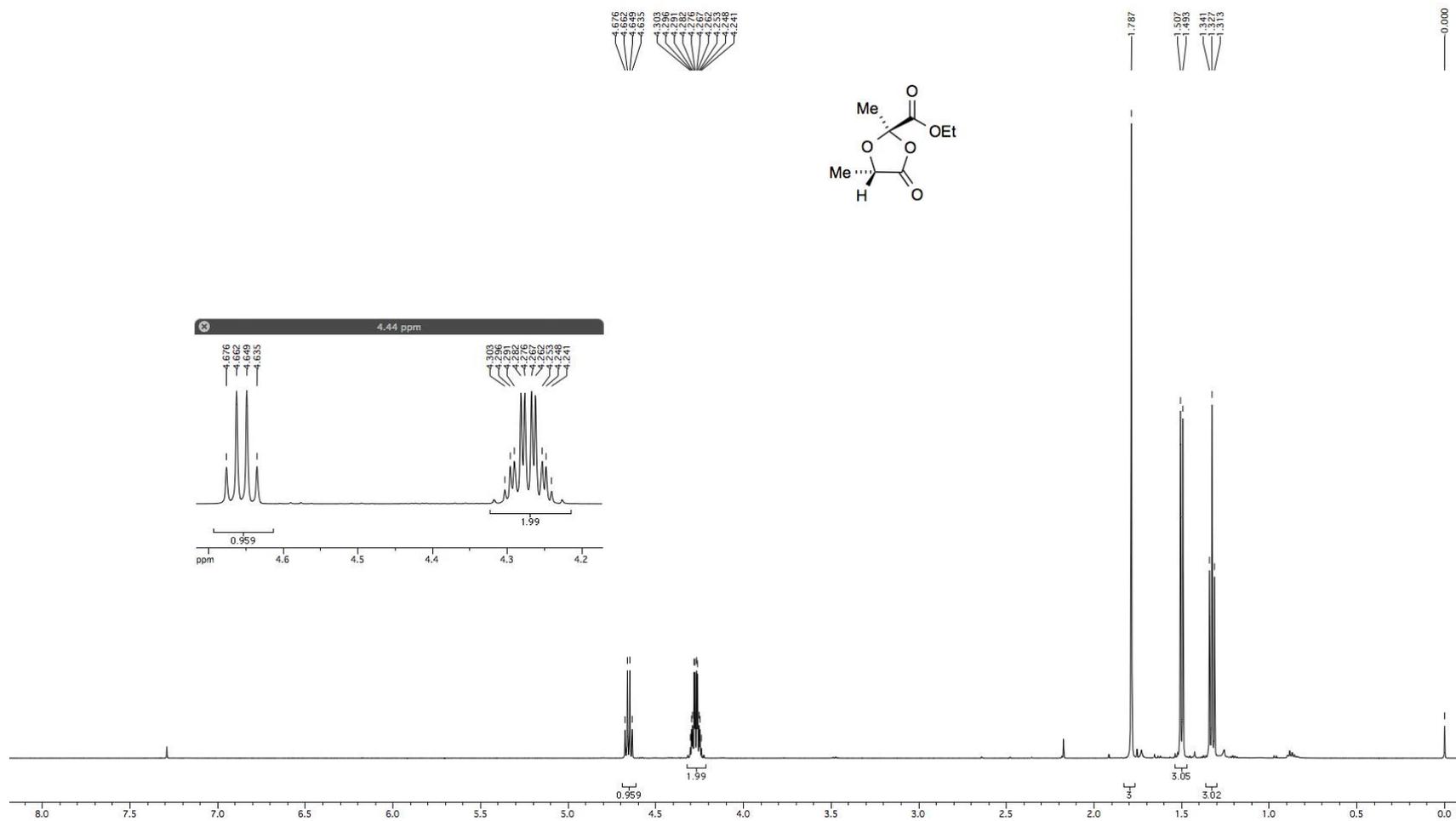


Figure S2: Detail of OCH<sub>2</sub> signal in 500 MHz <sup>1</sup>H NMR spectrum of **1**, (left) simulation and (right) experimental data

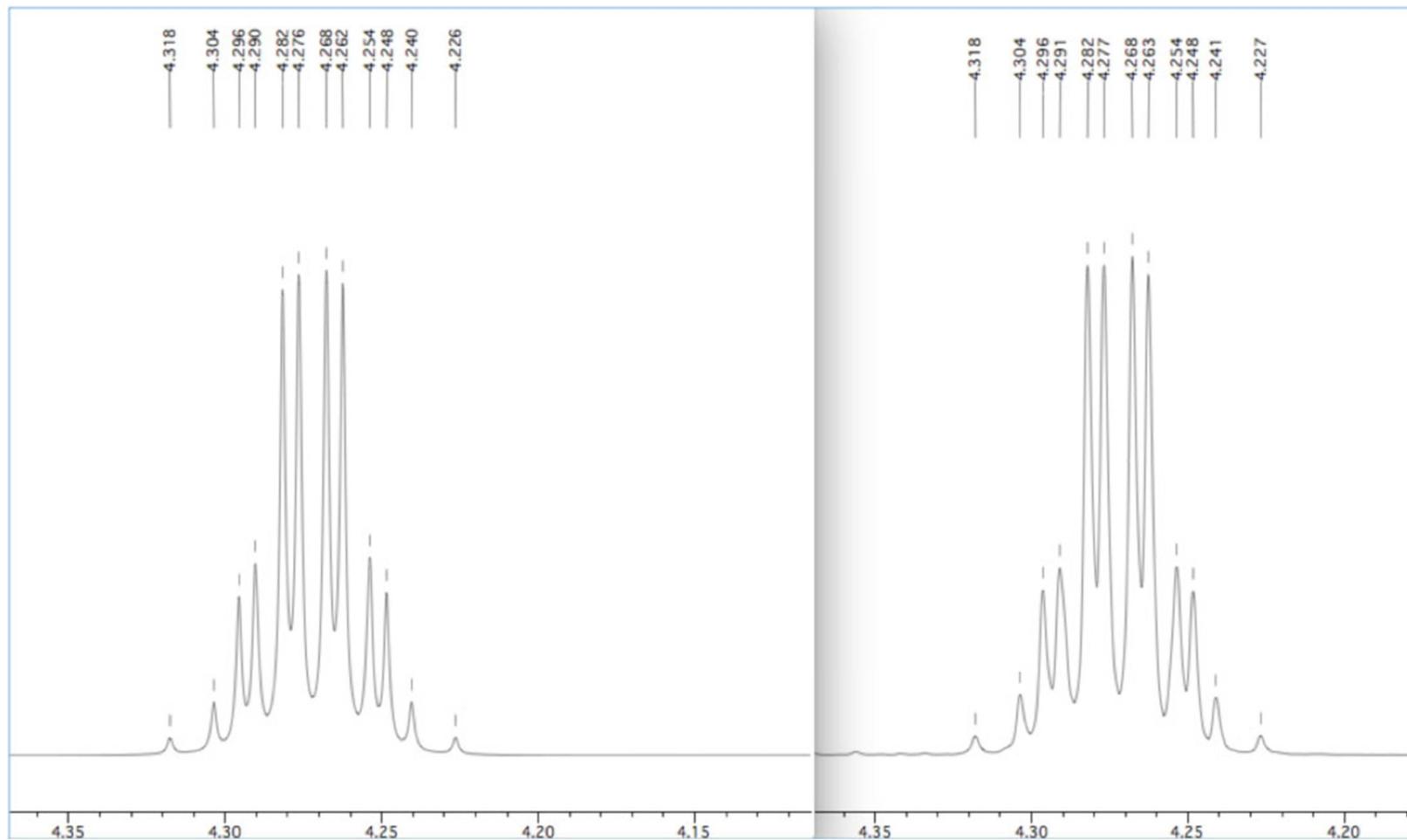


Figure S3: 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **1** ( $\text{CDCl}_3$ )

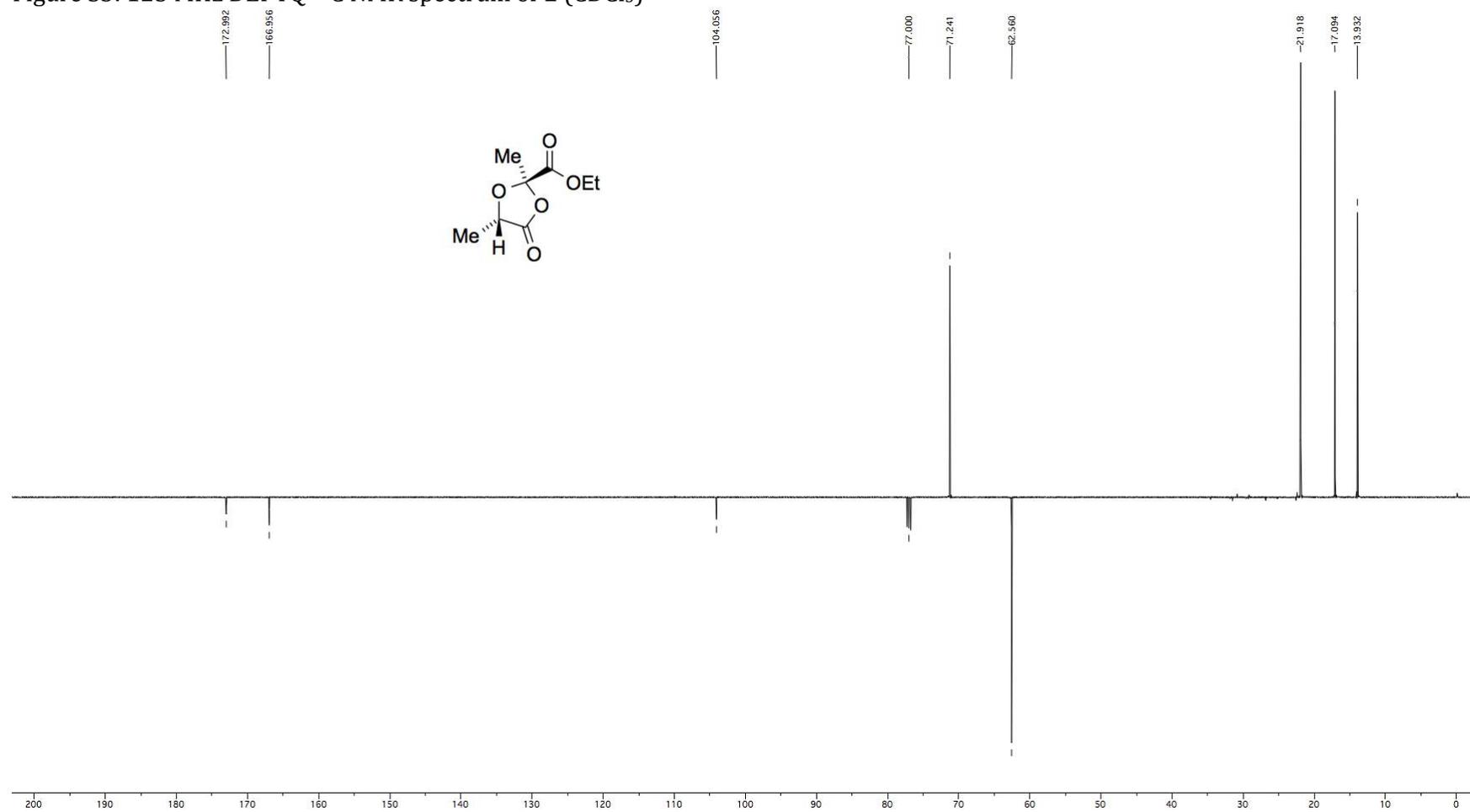


Figure S4: 500 MHz  $^1\text{H}$  NMR spectrum of *ca.* 3:1 mixture of **1'** and **1** ( $\text{CDCl}_3$ )

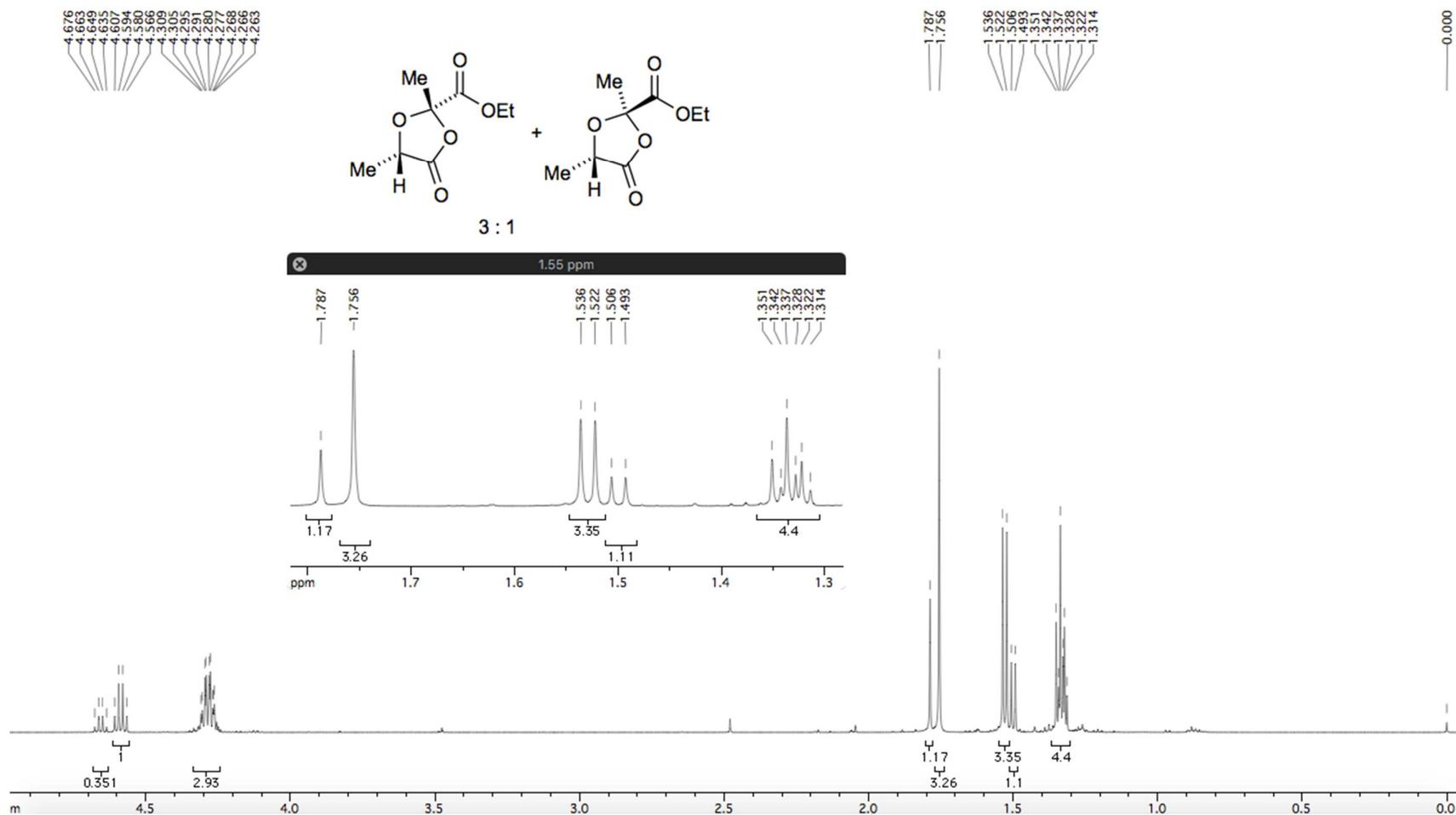


Figure S5: 75 MHz  $^{13}\text{C}$  NMR spectrum of *ca.* 5:4 mixture of **1'** and **1** ( $\text{CDCl}_3$ )

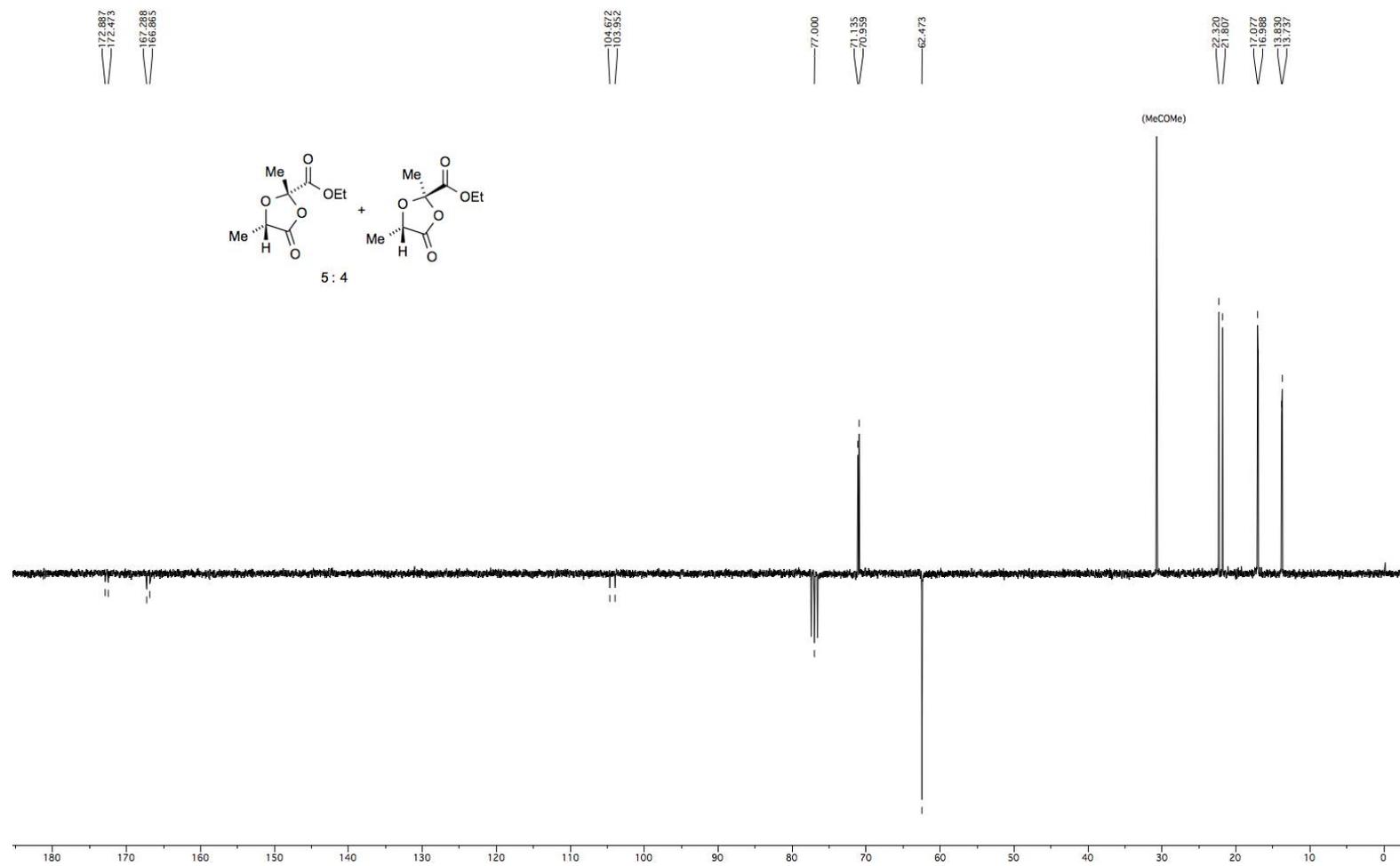


Figure S6: 500 MHz  $^1\text{H}$  NMR spectrum of **2** ( $\text{CDCl}_3$ )

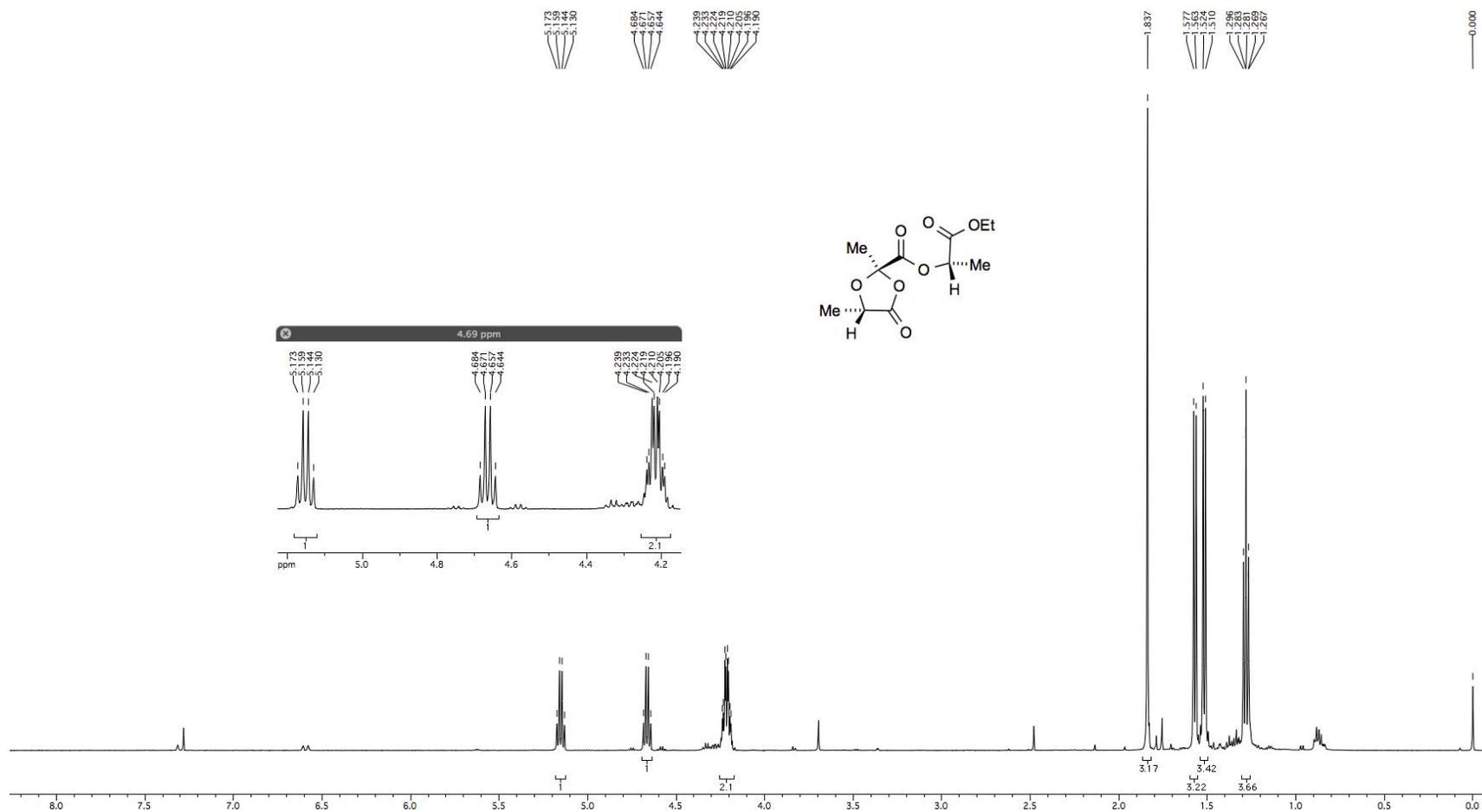


Figure S7: 125 MHz DEPTQ  $^{13}\text{C}$  NMR spectrum of **2** ( $\text{CDCl}_3$ )

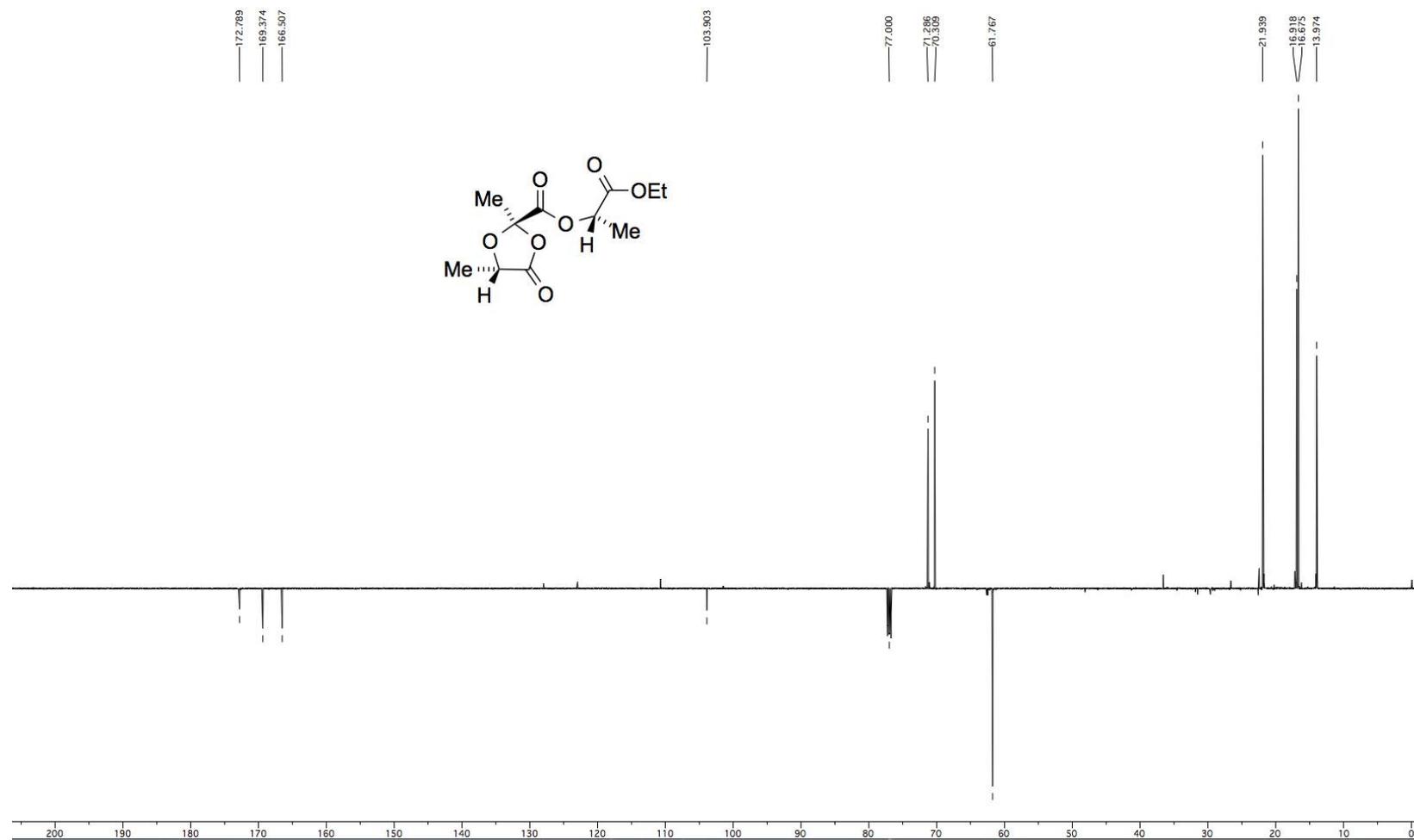


Figure S8: 500 MHz COSY H-H correlation spectrum of **2**

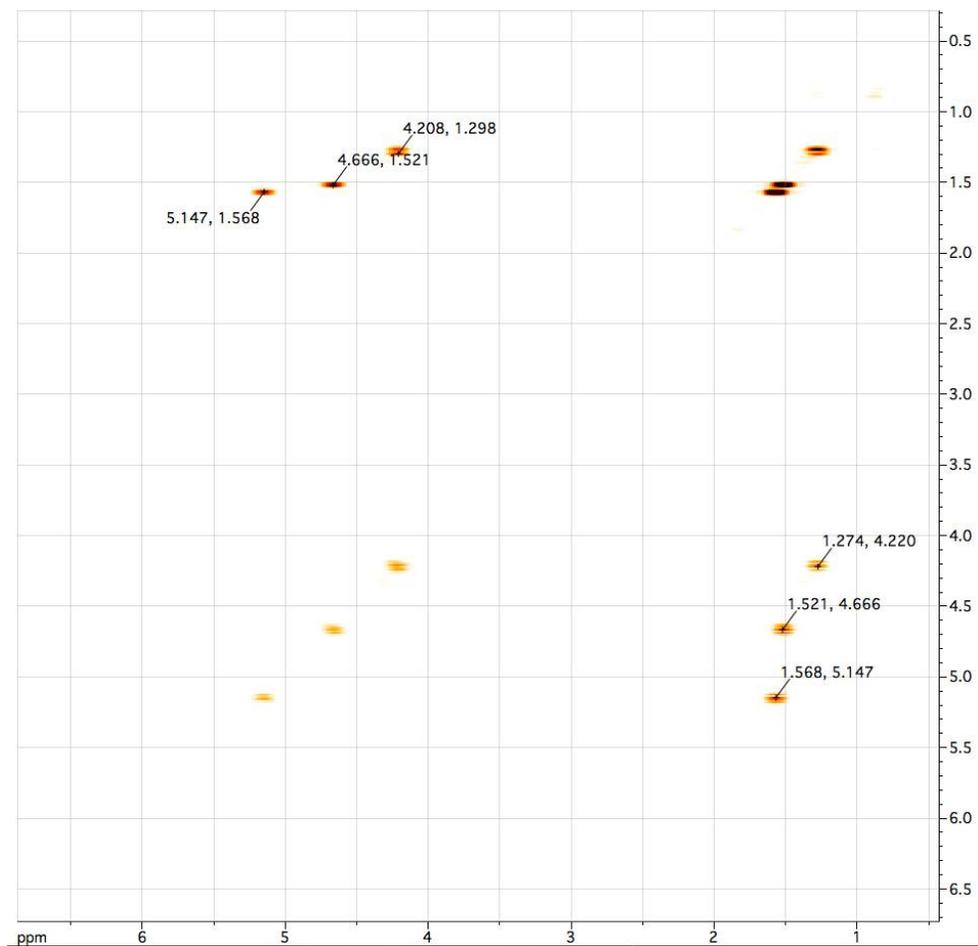


Figure S9: HMBC C-H correlation spectrum of **2**

