

## Supporting Information Section

# Solid-Phase Synthesis of Oligoester Ion Channels

*Thomas M. Fyles\*, Chi-Wei Hu, Horace Luong*

Department of Chemistry, University of Victoria, Victoria, British Columbia, Canada, V8W 3P6

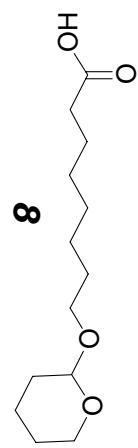
tmf@uvic.ca

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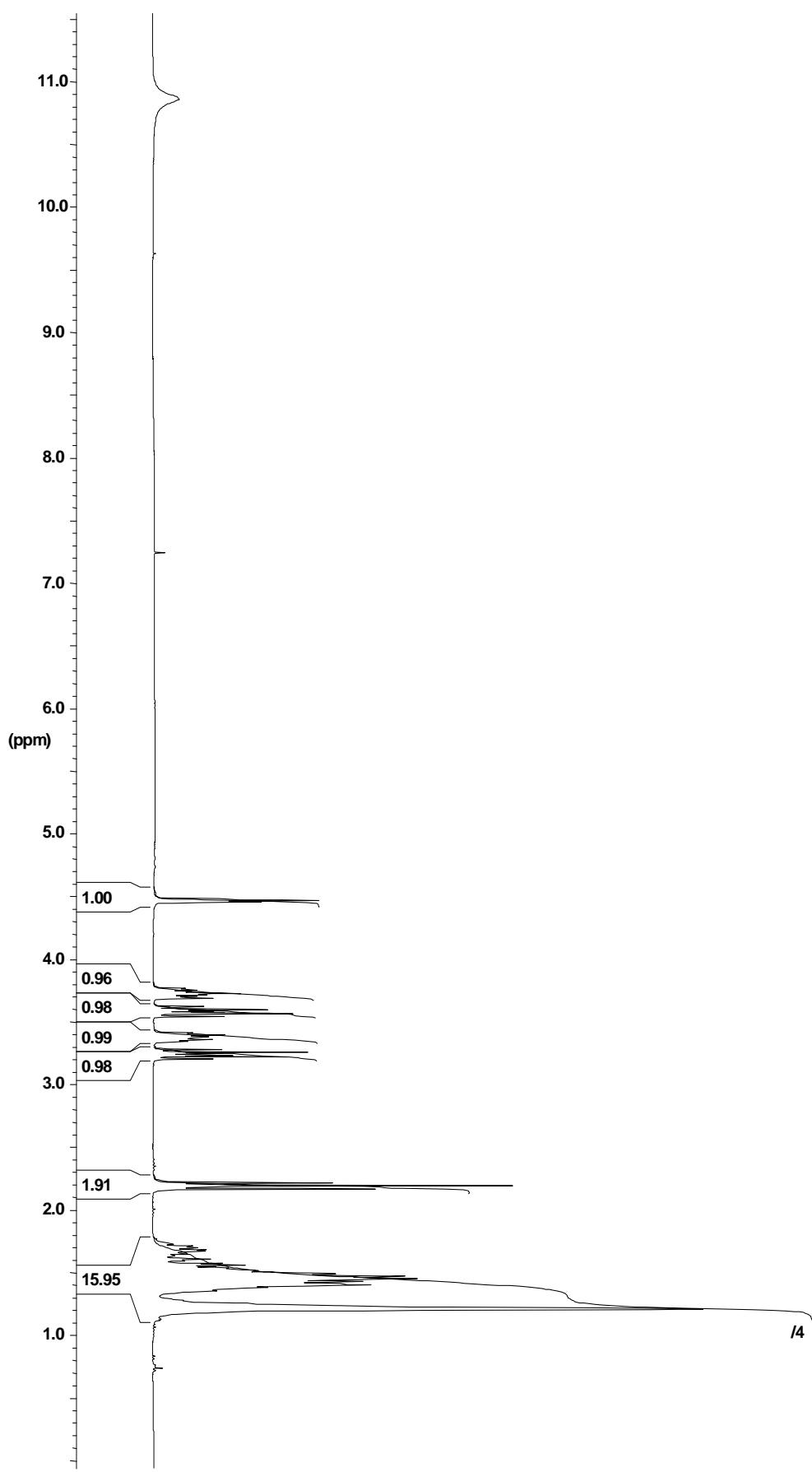
General Experimental	S2
<sup>1</sup> H NMR of <b>8</b>	S3
<sup>13</sup> C NMR of <b>8</b>	S4
<sup>1</sup> H NMR of <b>9</b>	S5
<sup>13</sup> C NMR of <b>9</b>	S6
<sup>1</sup> H NMR of <b>12</b>	S7
<sup>13</sup> C NMR of <b>12</b>	S8
<sup>1</sup> H NMR of <b>13</b>	S9
<sup>13</sup> C NMR of <b>13</b>	S10
<sup>1</sup> H NMR of <b>14</b>	S11
<sup>13</sup> C NMR of <b>14</b>	S12
<sup>1</sup> H NMR of <b>15</b>	S13
<sup>13</sup> C NMR of <b>15</b>	S14
<sup>1</sup> H NMR of <b>16</b>	S15
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<sup>1</sup> H NMR of <b>18</b>	S19
<sup>13</sup> C NMR of <b>18</b>	S20

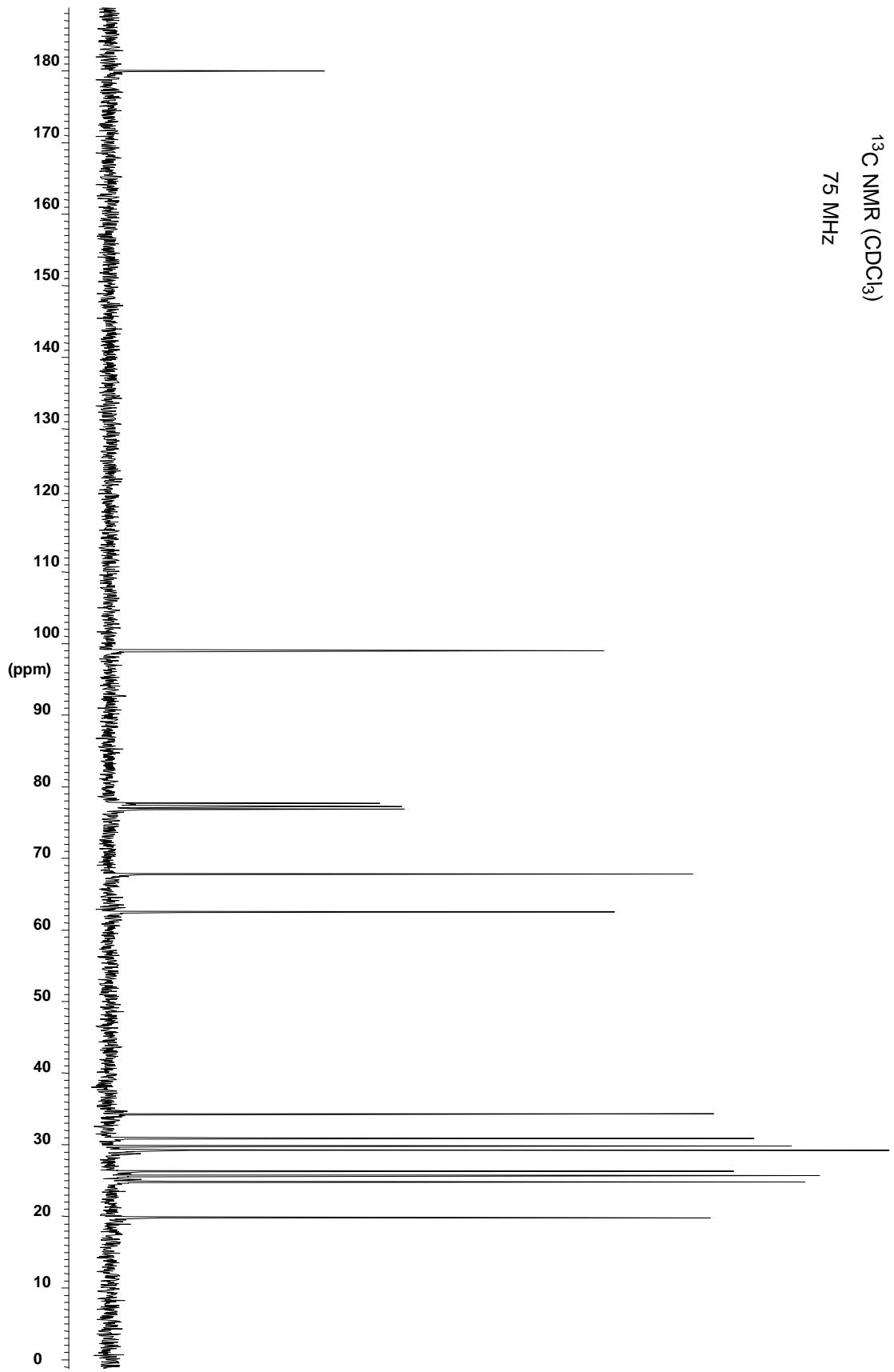
<sup>1</sup> H NMR of <b>19</b>	S21
<sup>13</sup> C NMR of <b>19</b>	S22
<sup>1</sup> H NMR of <b>20</b>	S23
<sup>13</sup> C NMR of <b>20</b>	S24

**General Methods.** Unless specified, reagents were from commercial sources and were used without further purification. THF used for solid-phase reactions was dried over sodium and benzophenone and distilled. The Wang Resin had a loading capacity 0.75 meq/g (100-200 mesh). New resin is swollen and washed in THF before usage. Solid-phase reactions were carried out in 25 mL solid-phase reaction vessels and were agitated by a mechanical shaker. Column chromatography was performed on silica gel (grade 60, 63-200 mesh). Size exclusion separation of the oligoester compounds was performed on a Lipophilic Sephadex LH-20 column. All amounts for solid-phase reactions are for 200 mg of resin. Yields for the solid-phase reactions are reported relative to their starting resin loading capacity.



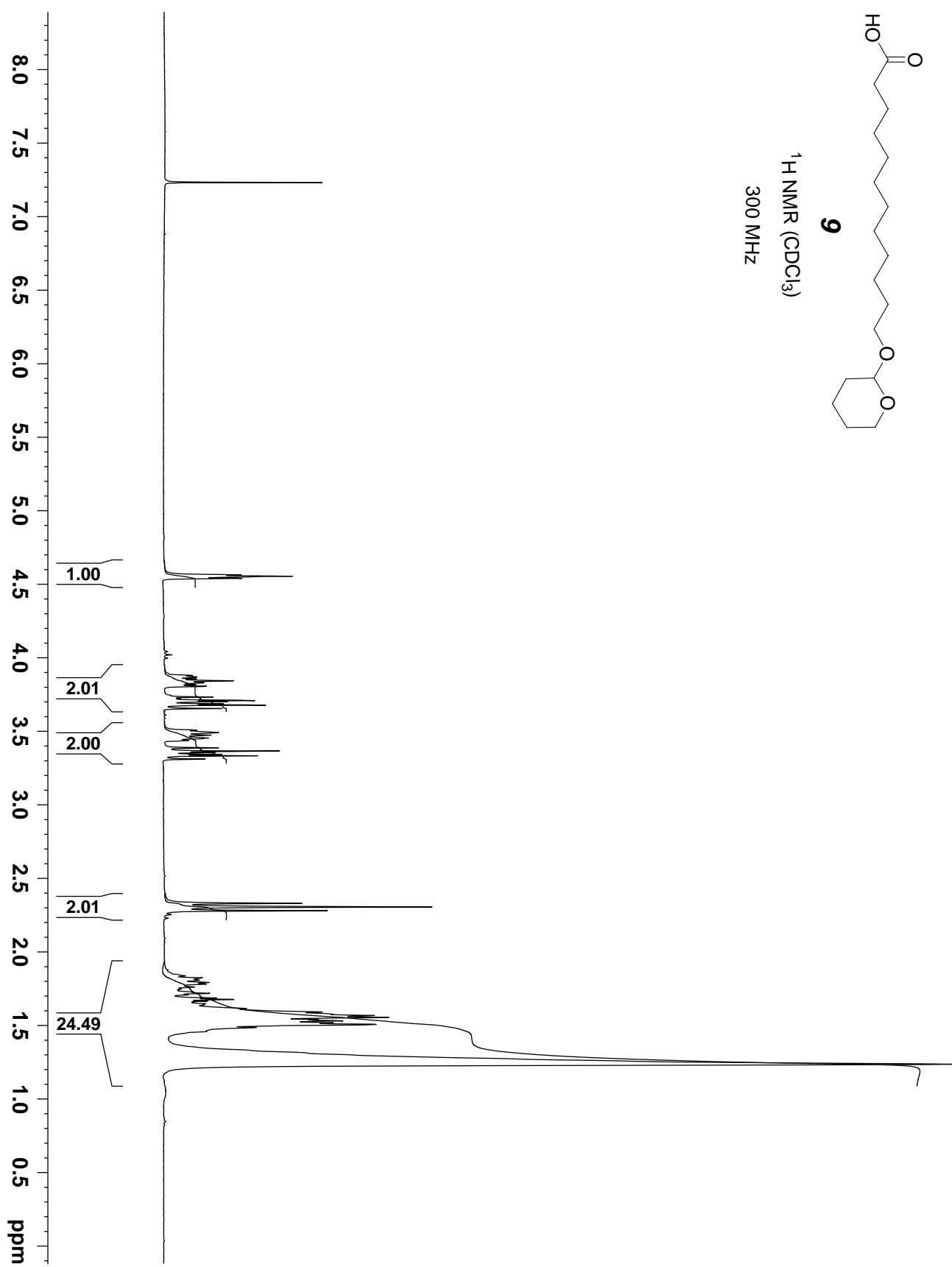
<sup>1</sup>H NMR (CDCl<sub>3</sub>)  
300 MHz

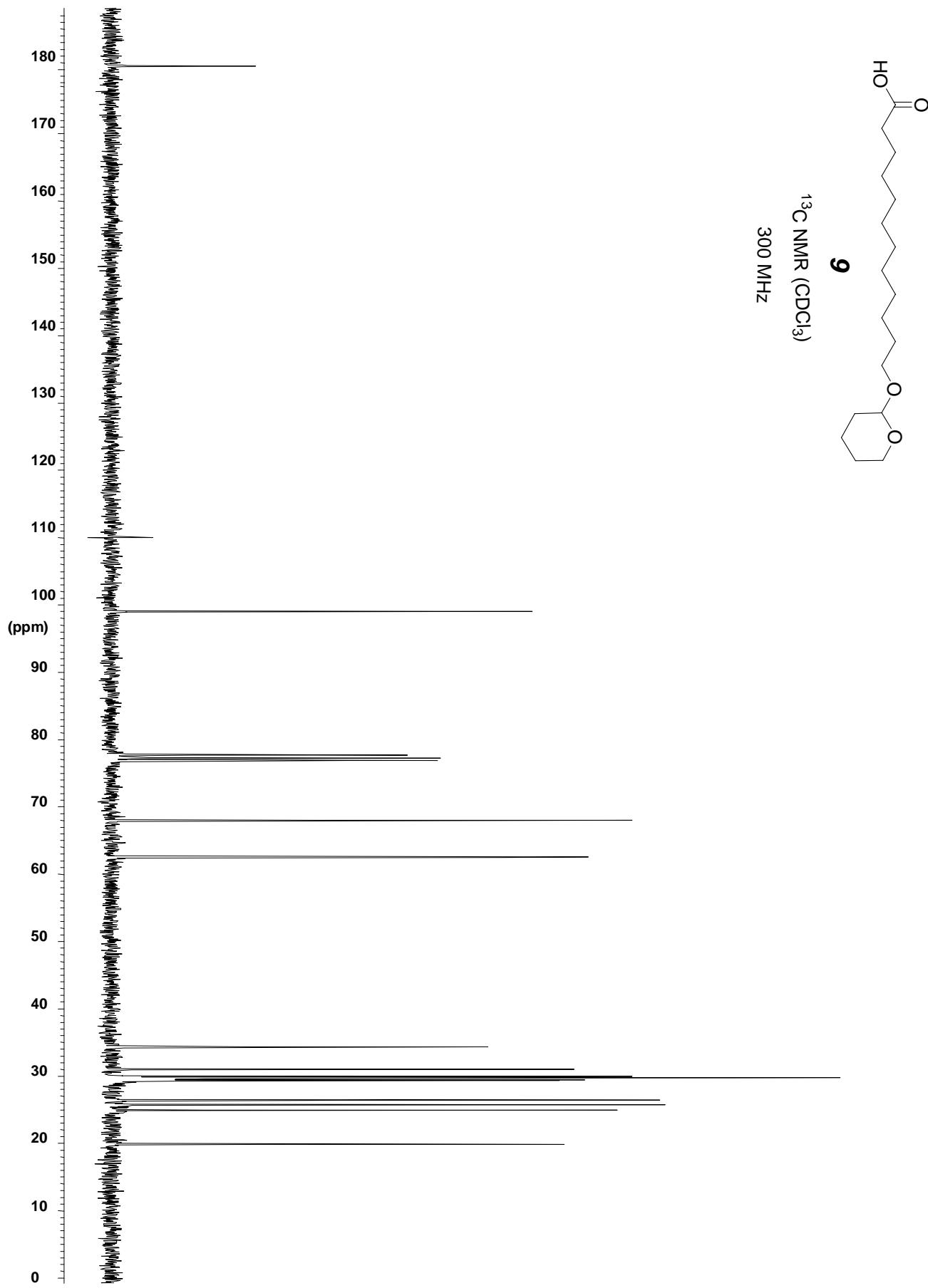


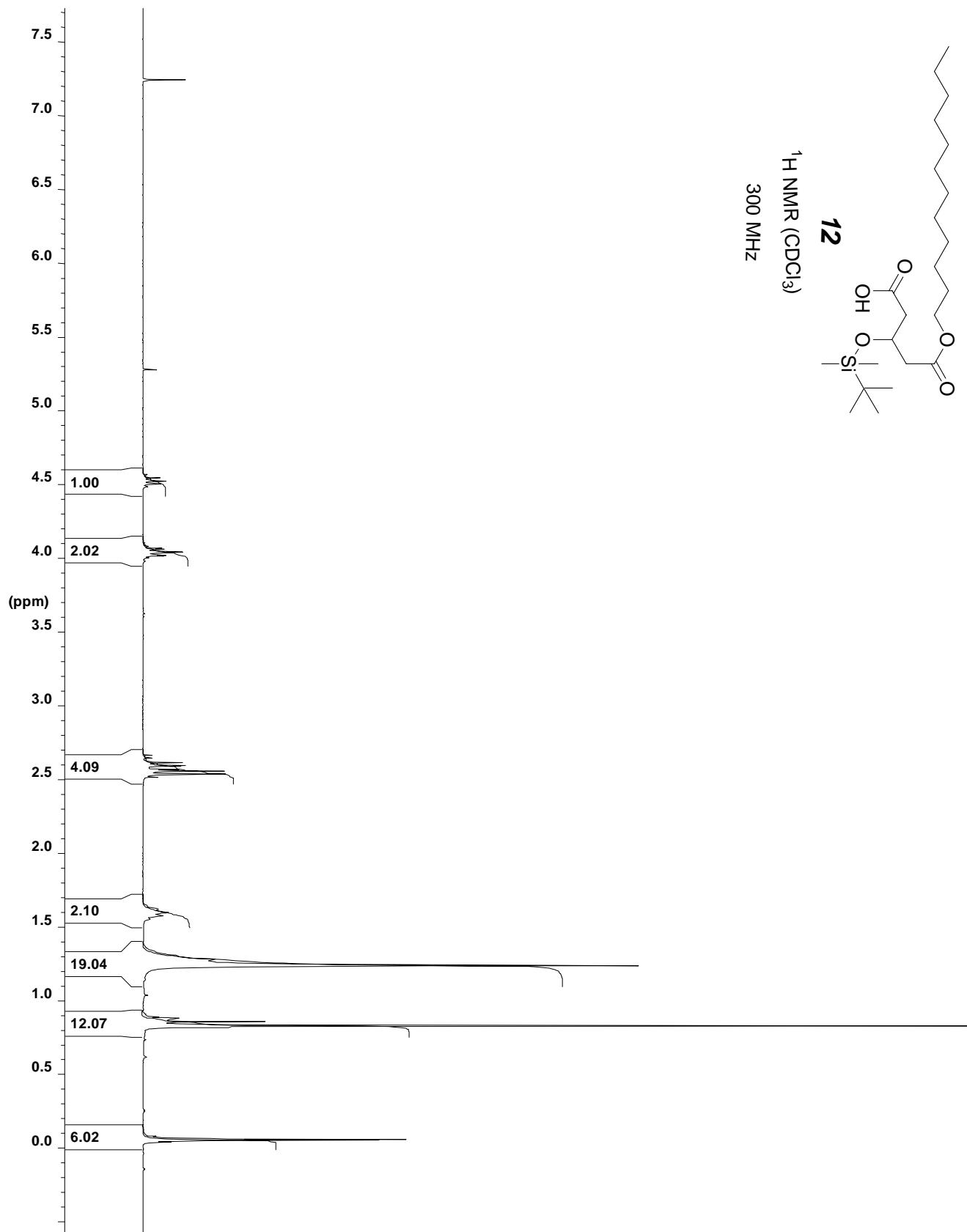


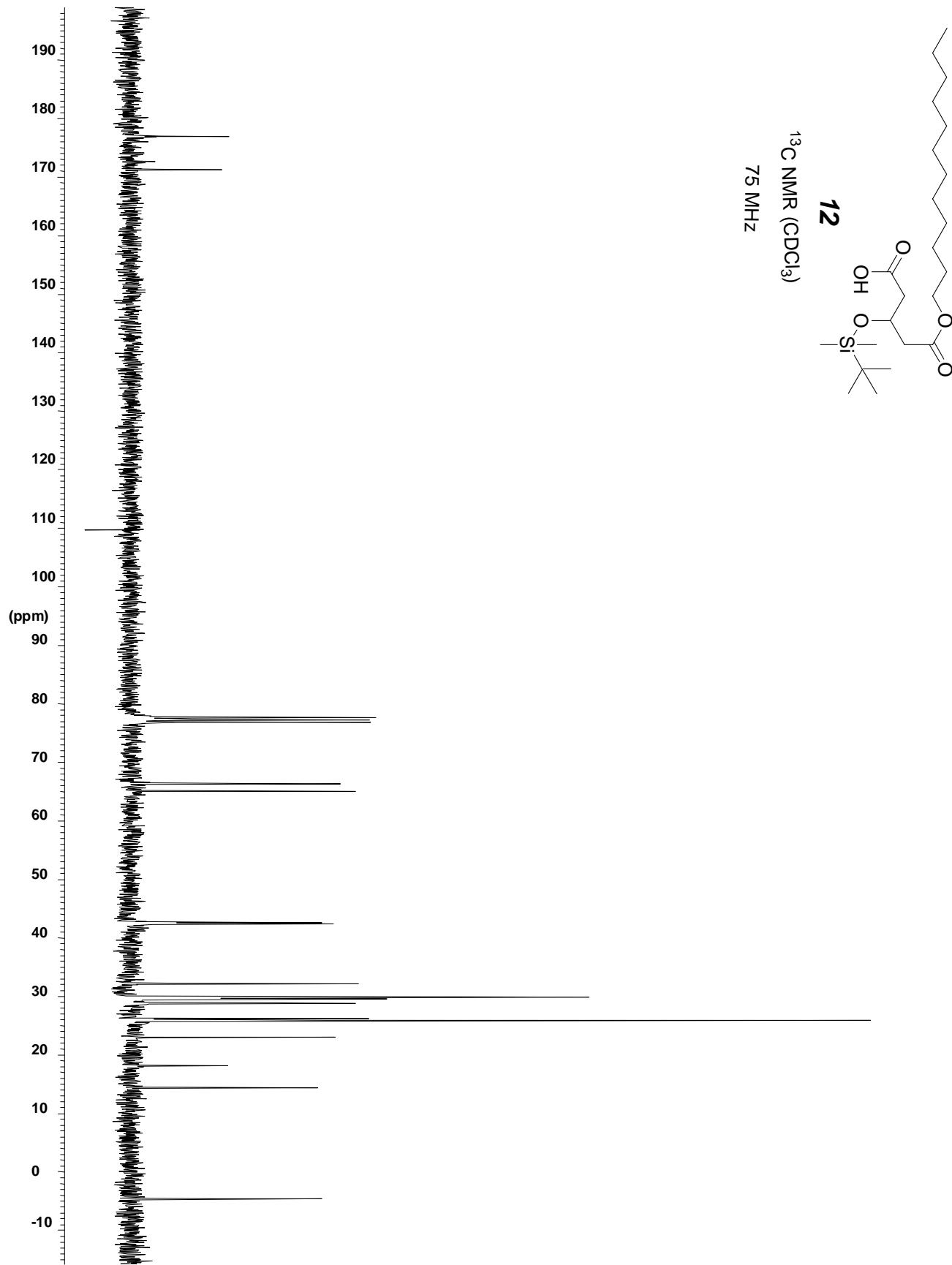


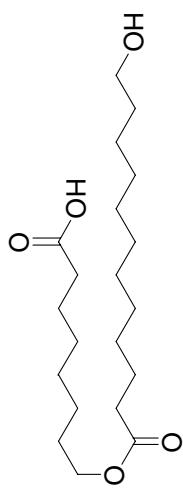
<sup>1</sup>H NMR (CDCl<sub>3</sub>)  
300 MHz



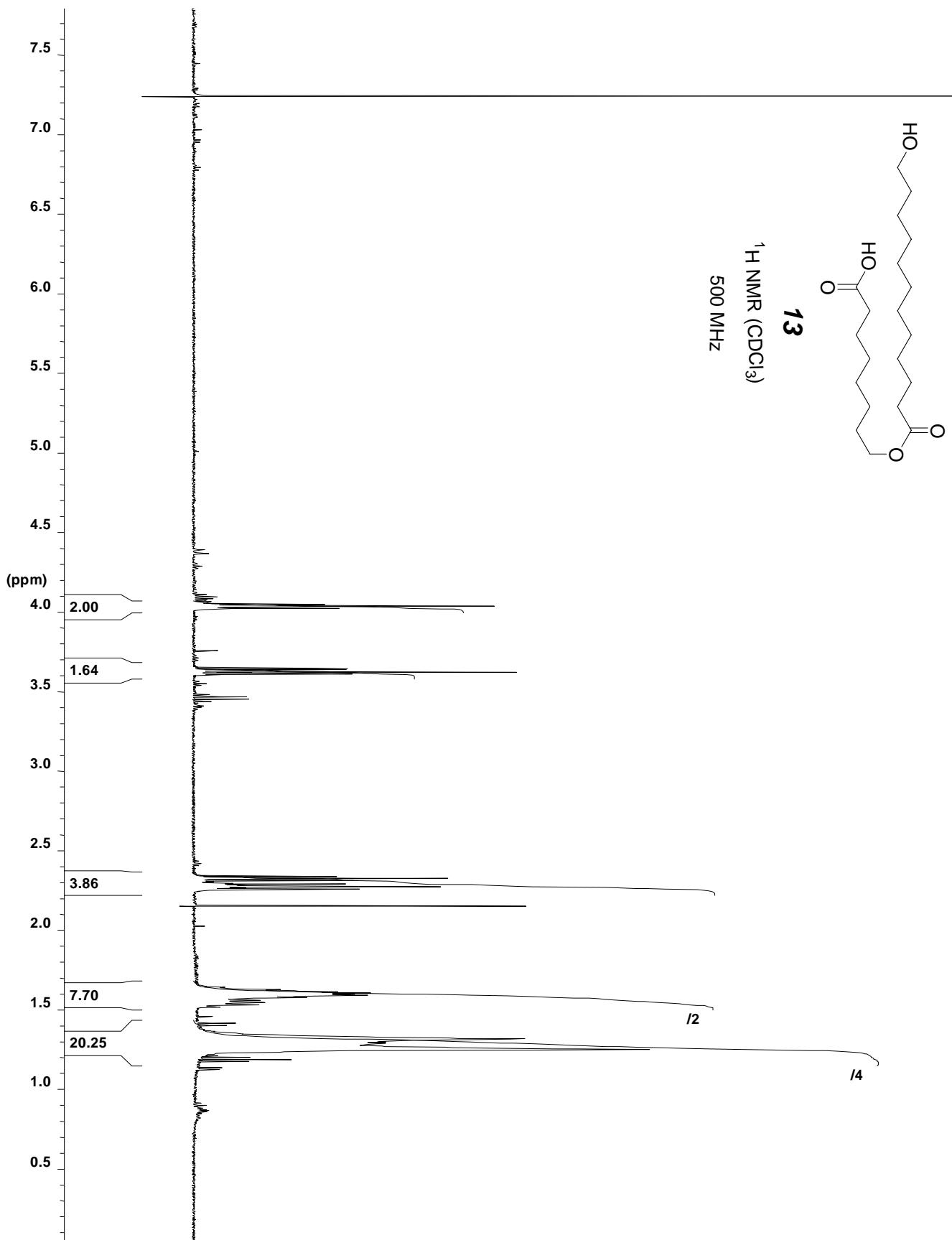


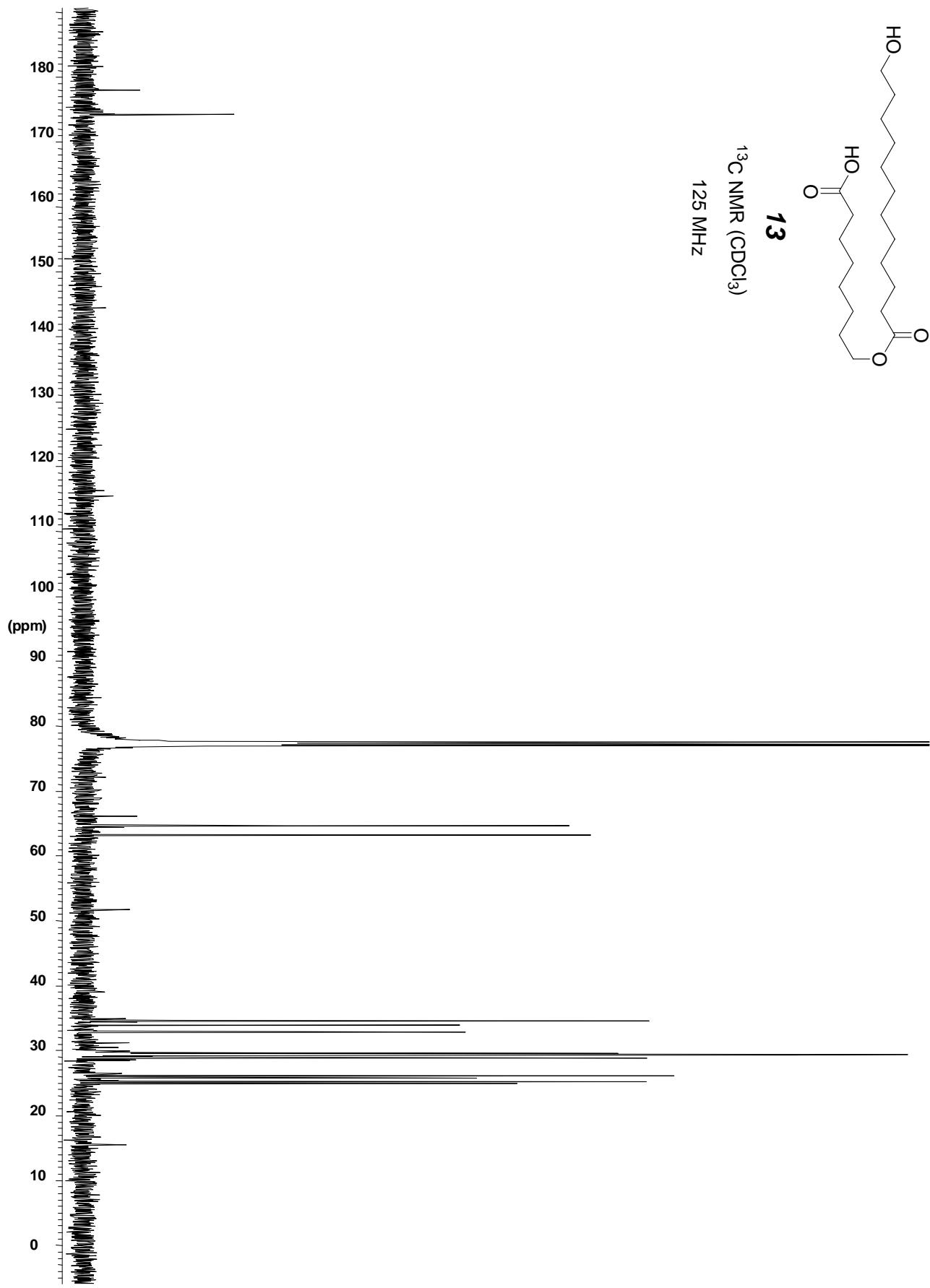


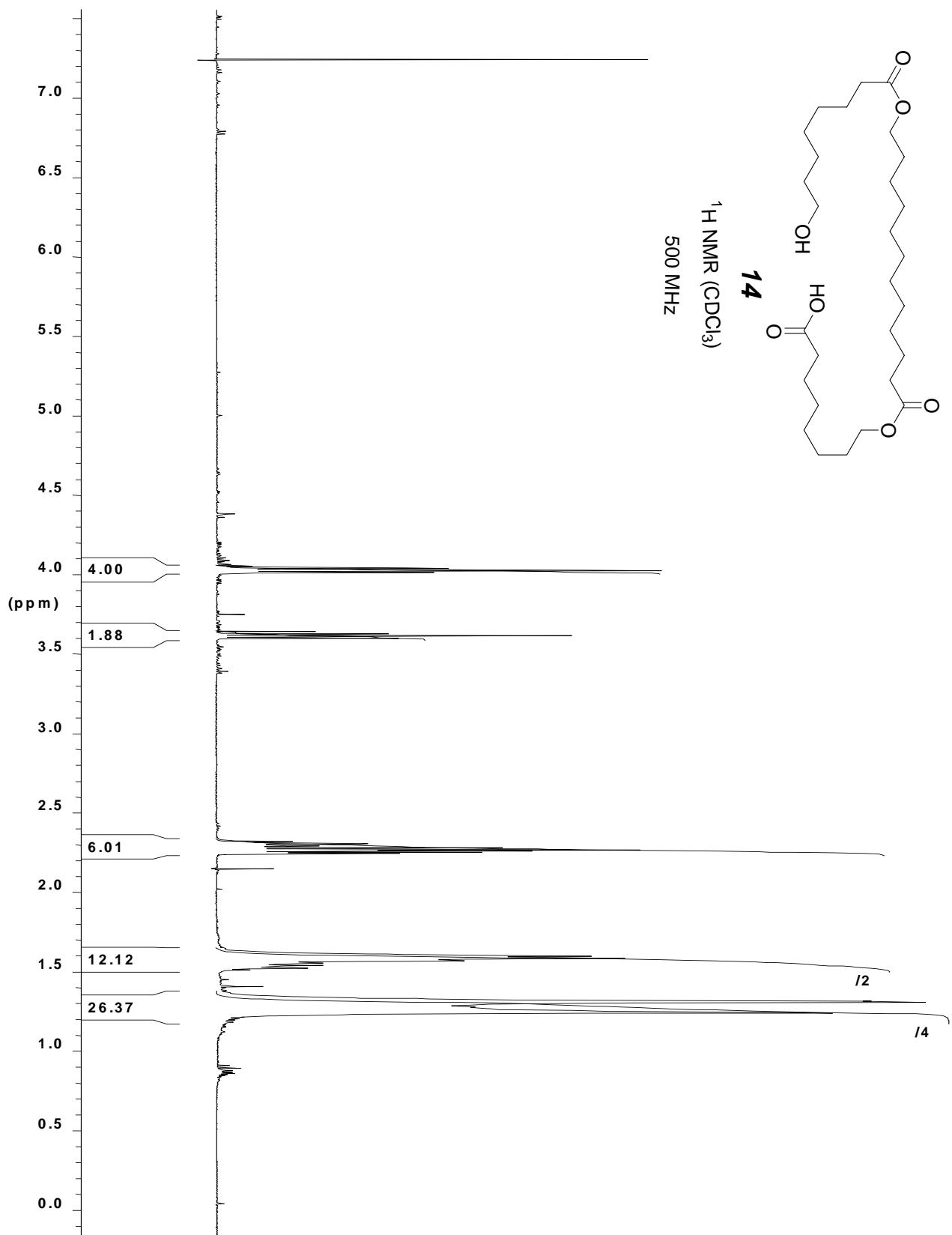


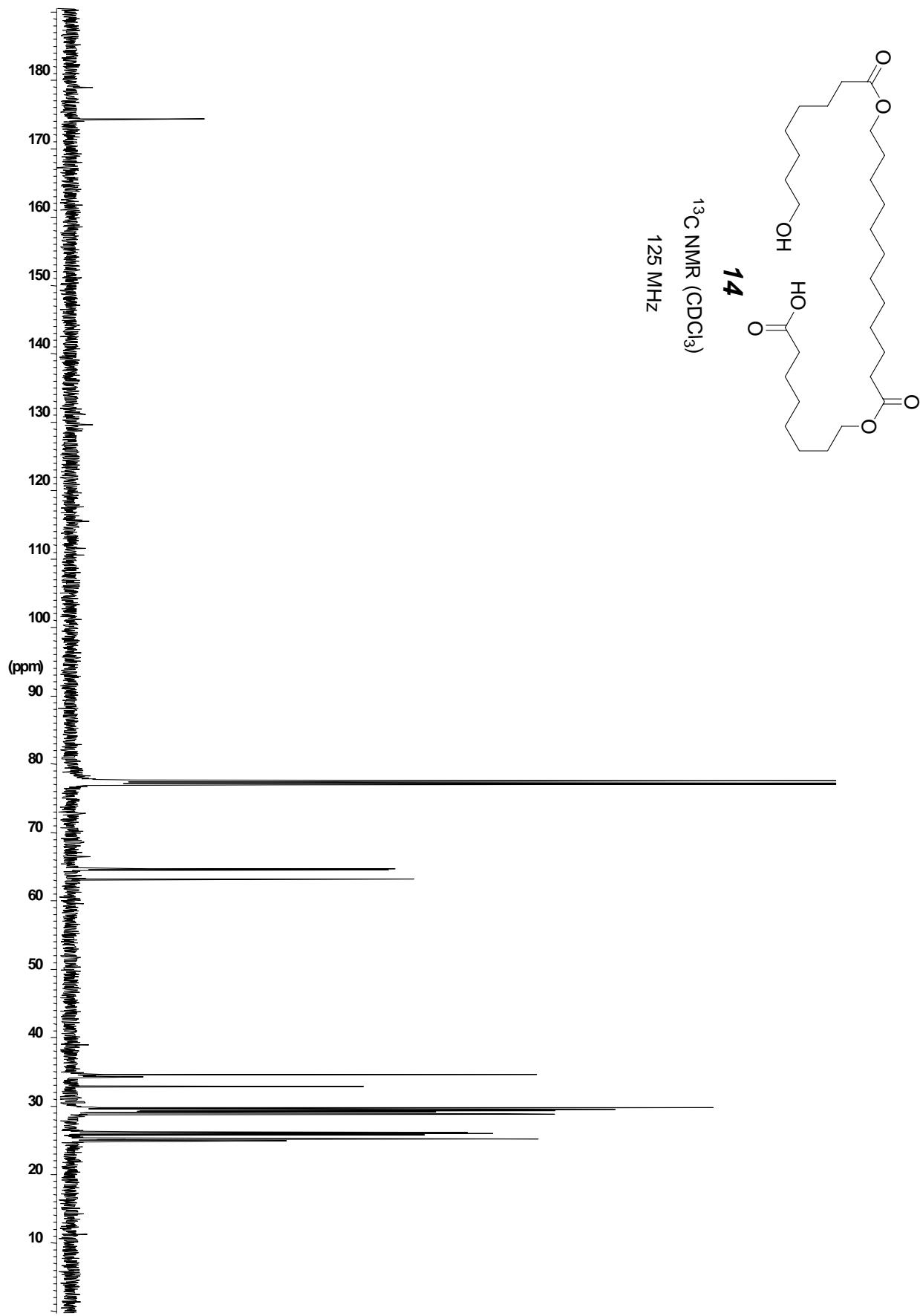


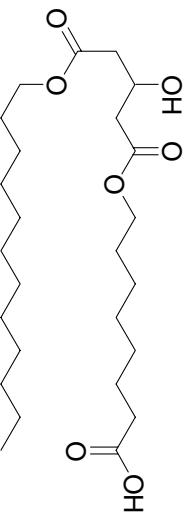
$^1\text{H}$  NMR ( $\text{CDCl}_3$ )  
500 MHz







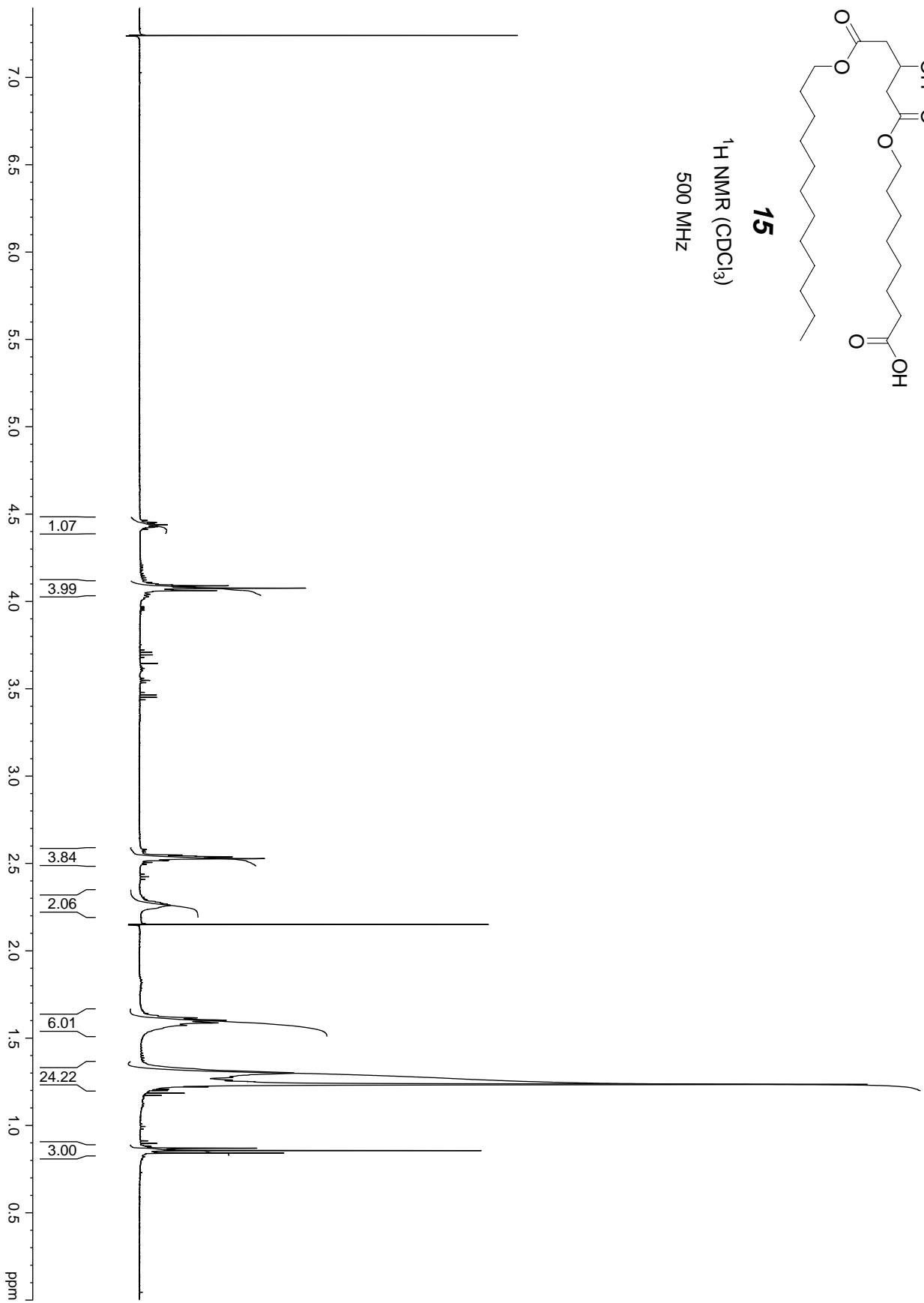


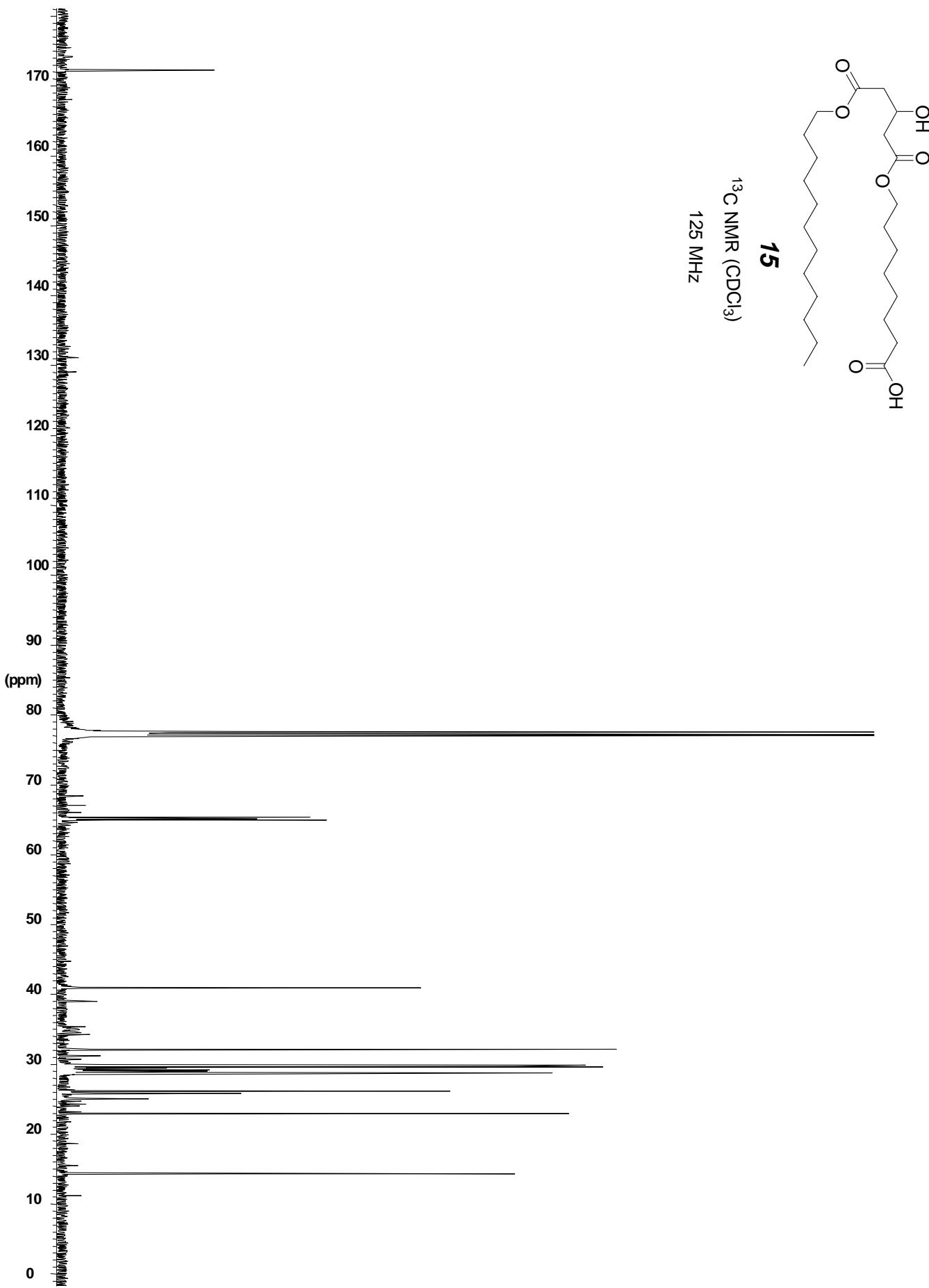


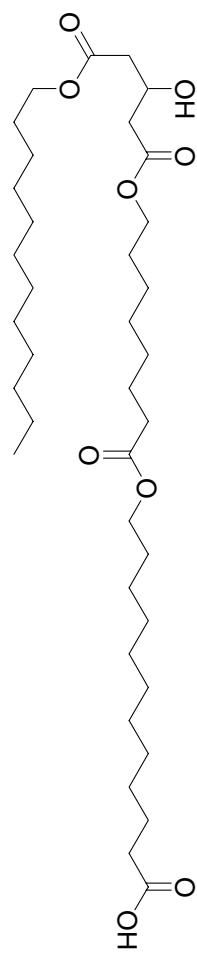
**15**

$^1\text{H}$  NMR ( $\text{CDCl}_3$ )

500 MHz

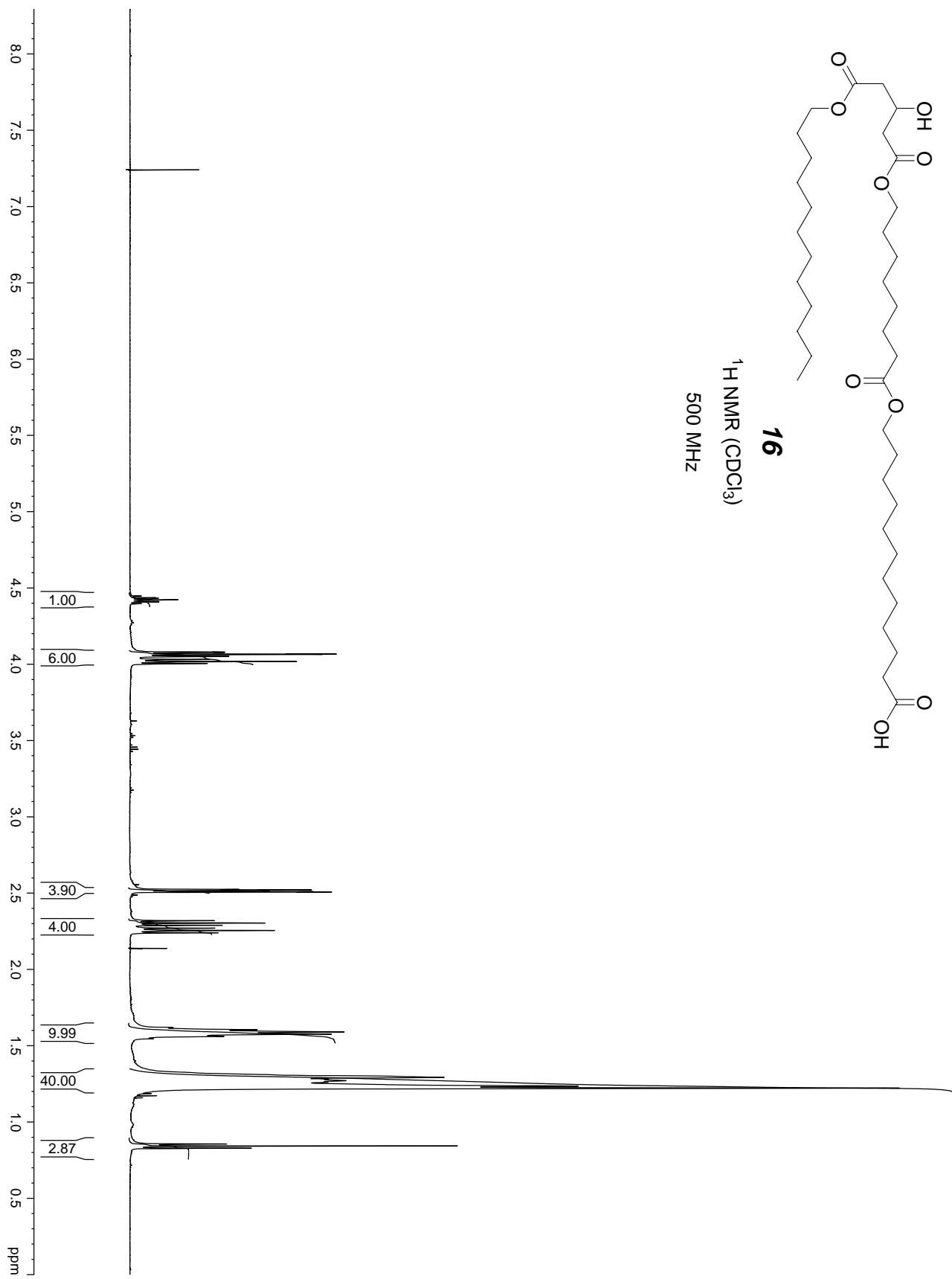


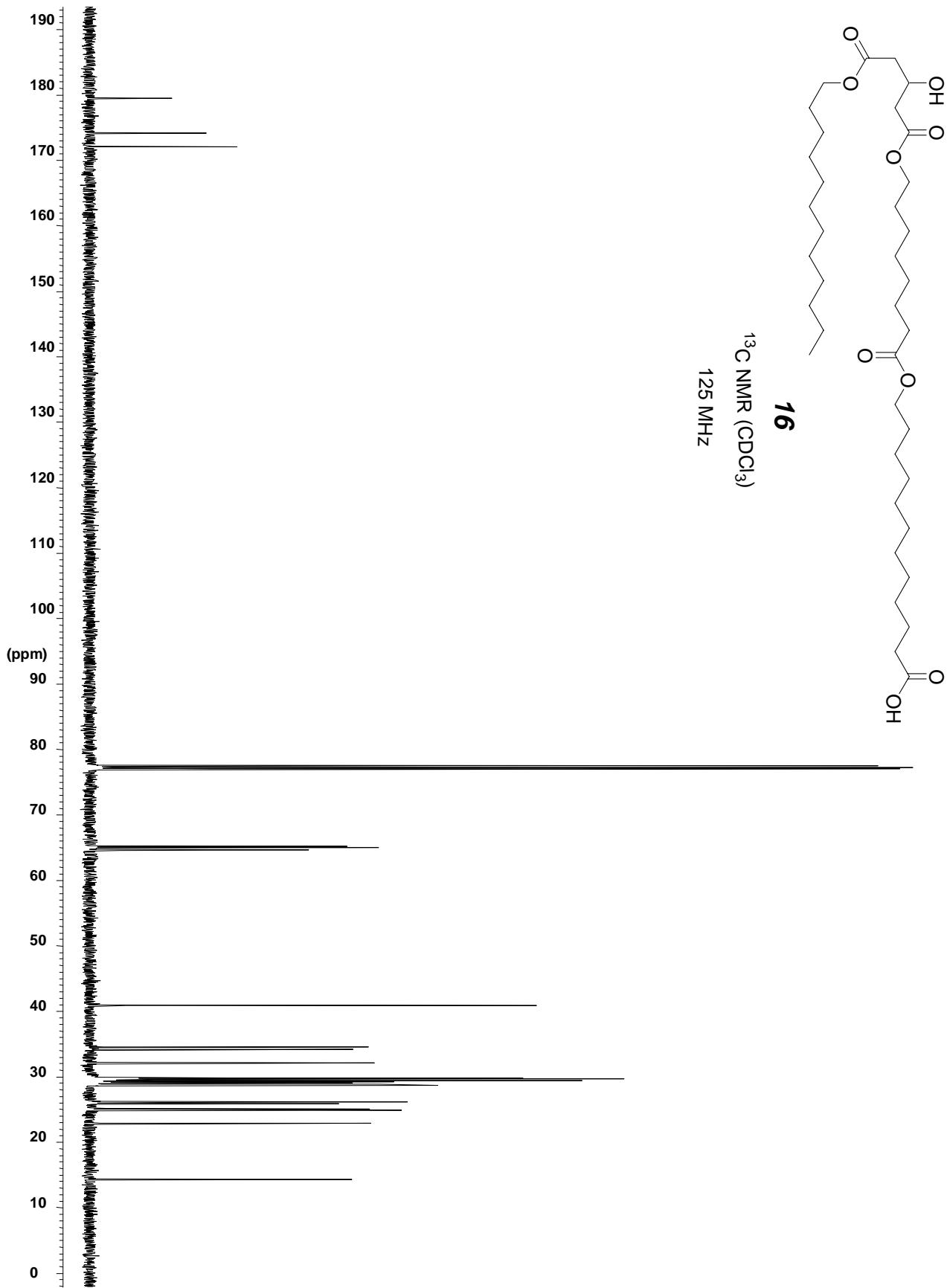


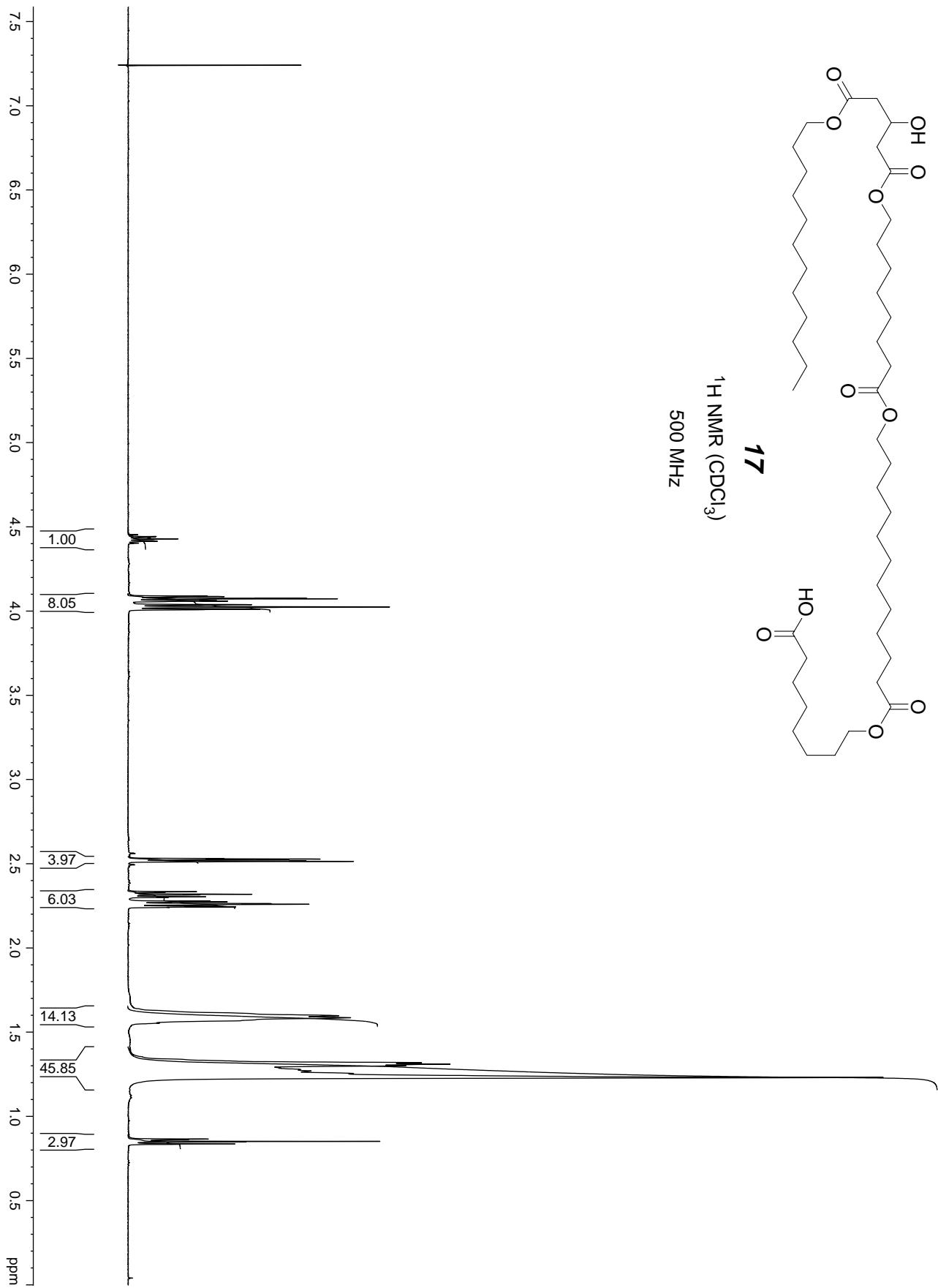


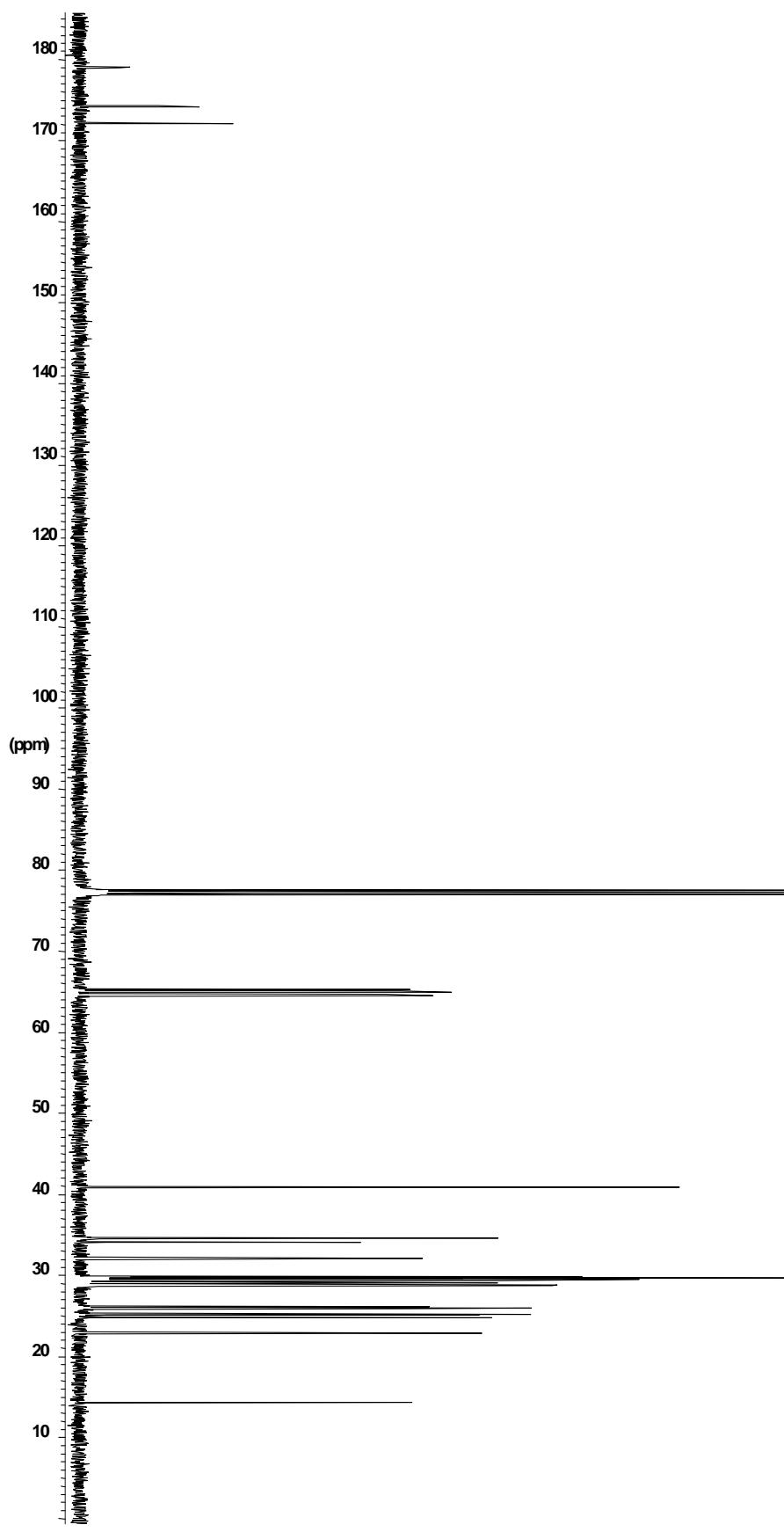
**16**

$^1\text{H}$  NMR ( $\text{CDCl}_3$ )  
500 MHz

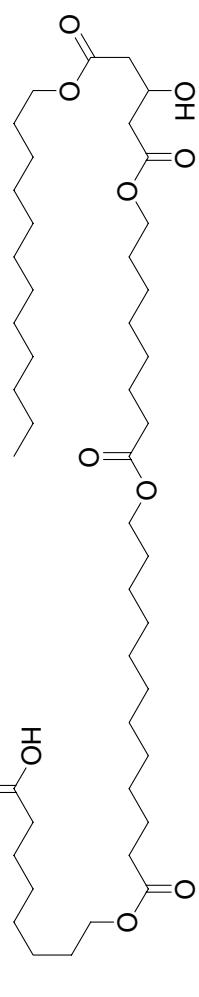


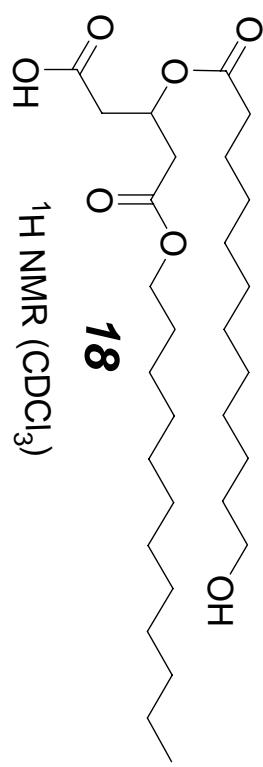






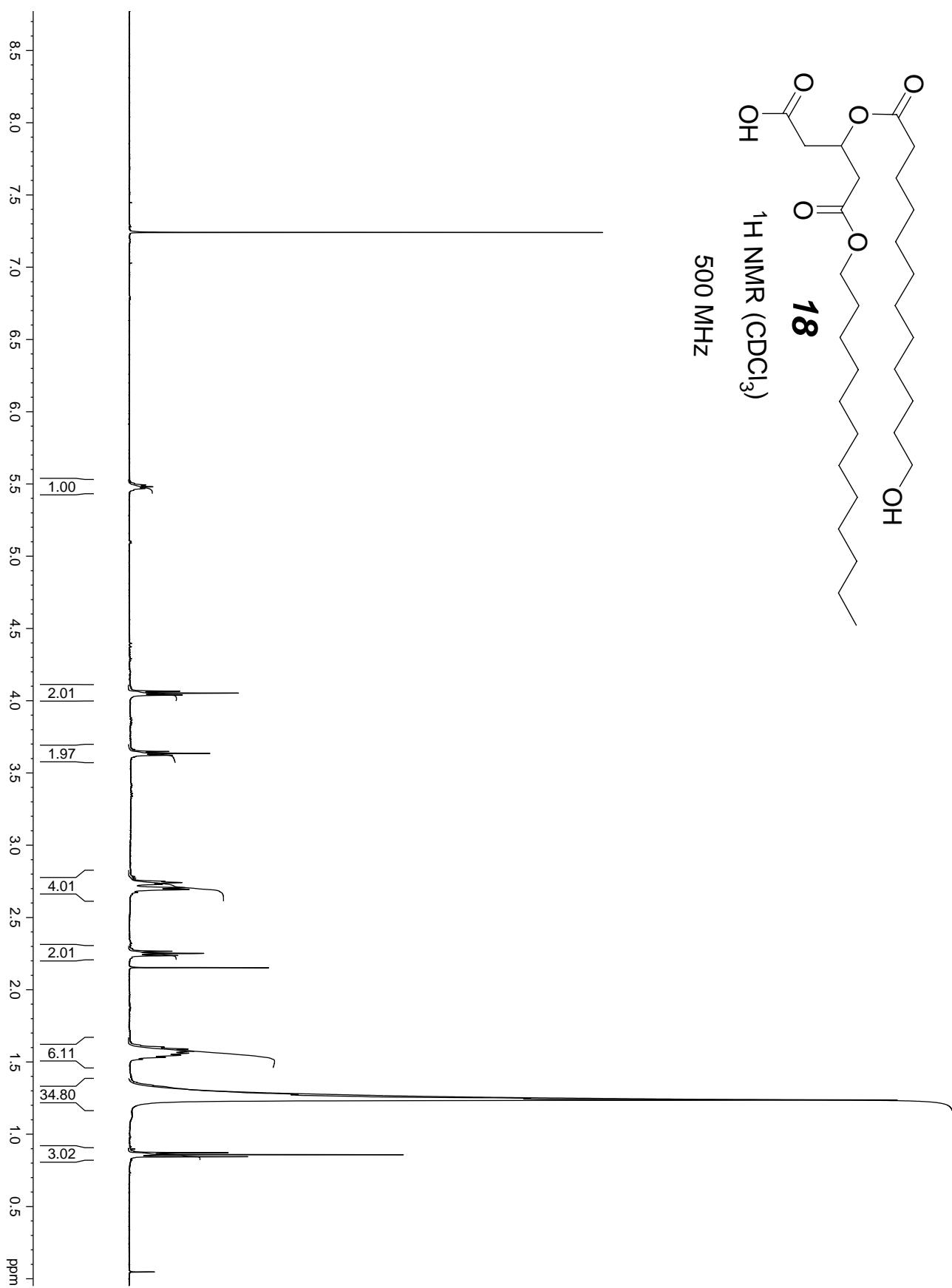
$^{13}\text{C}$  NMR ( $\text{CDCl}_3$ )  
125 MHz

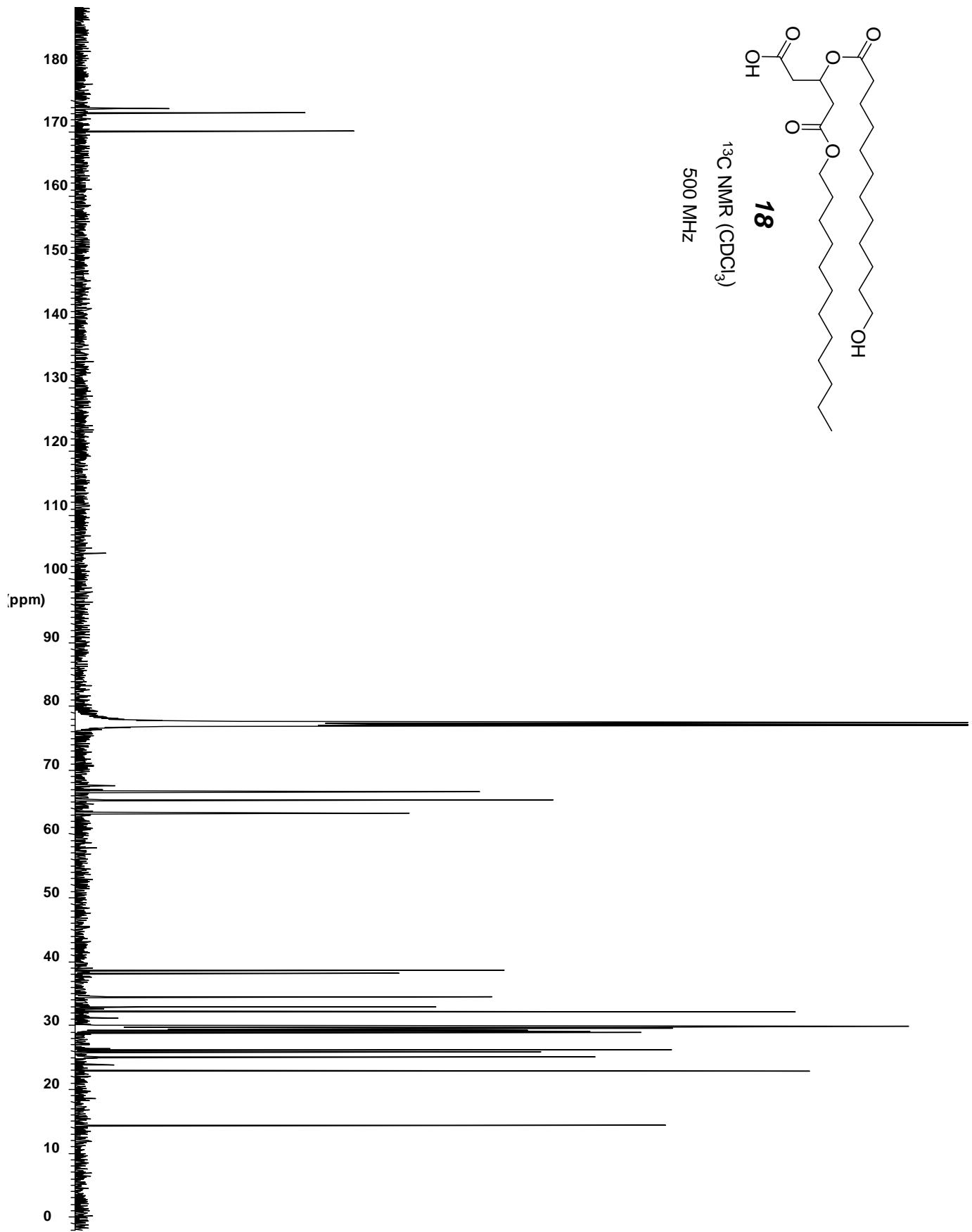


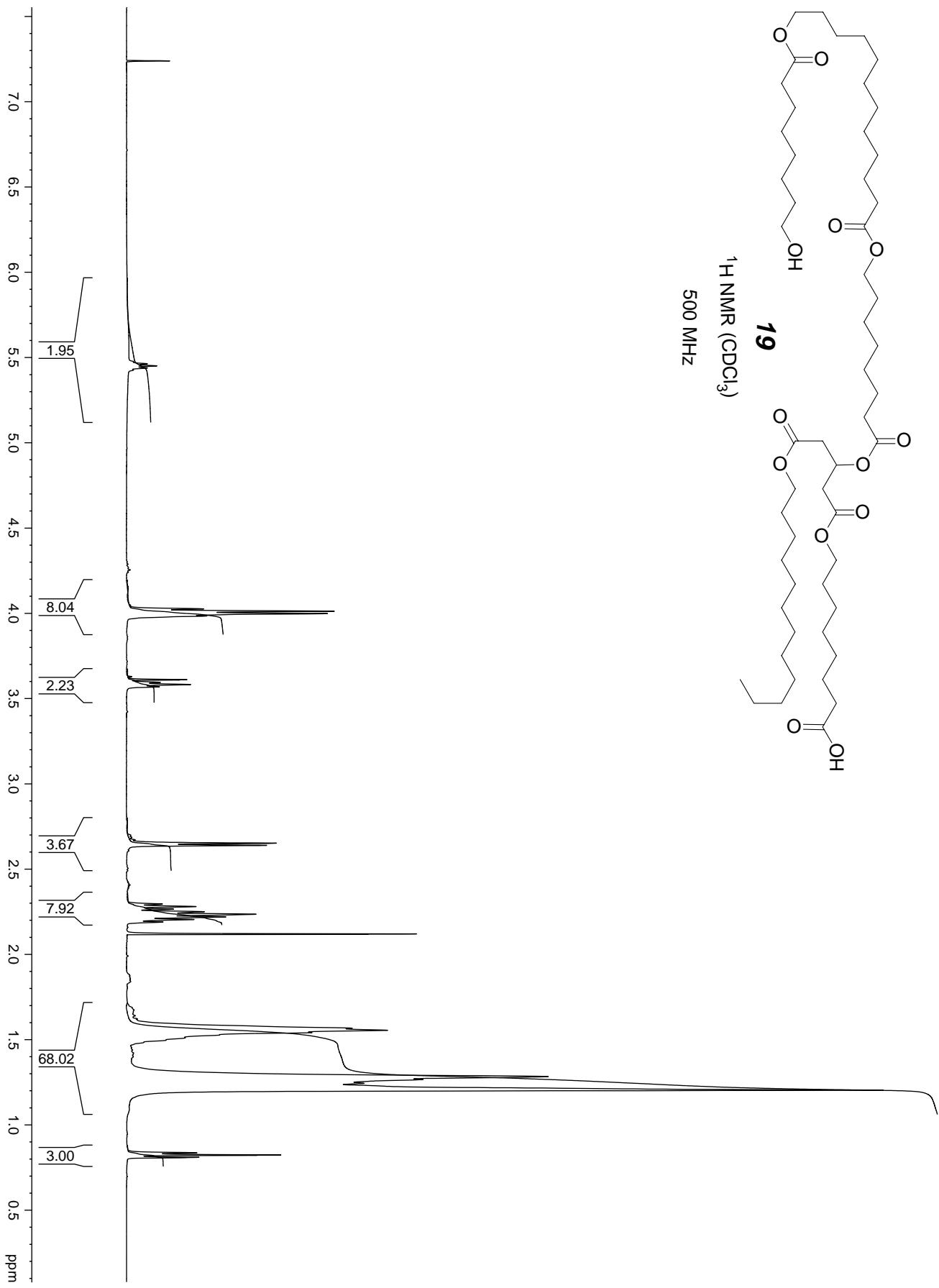
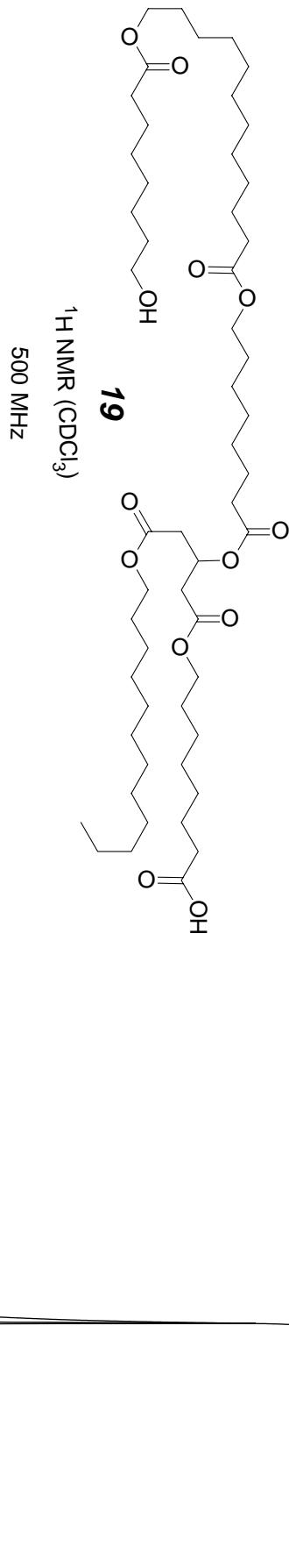


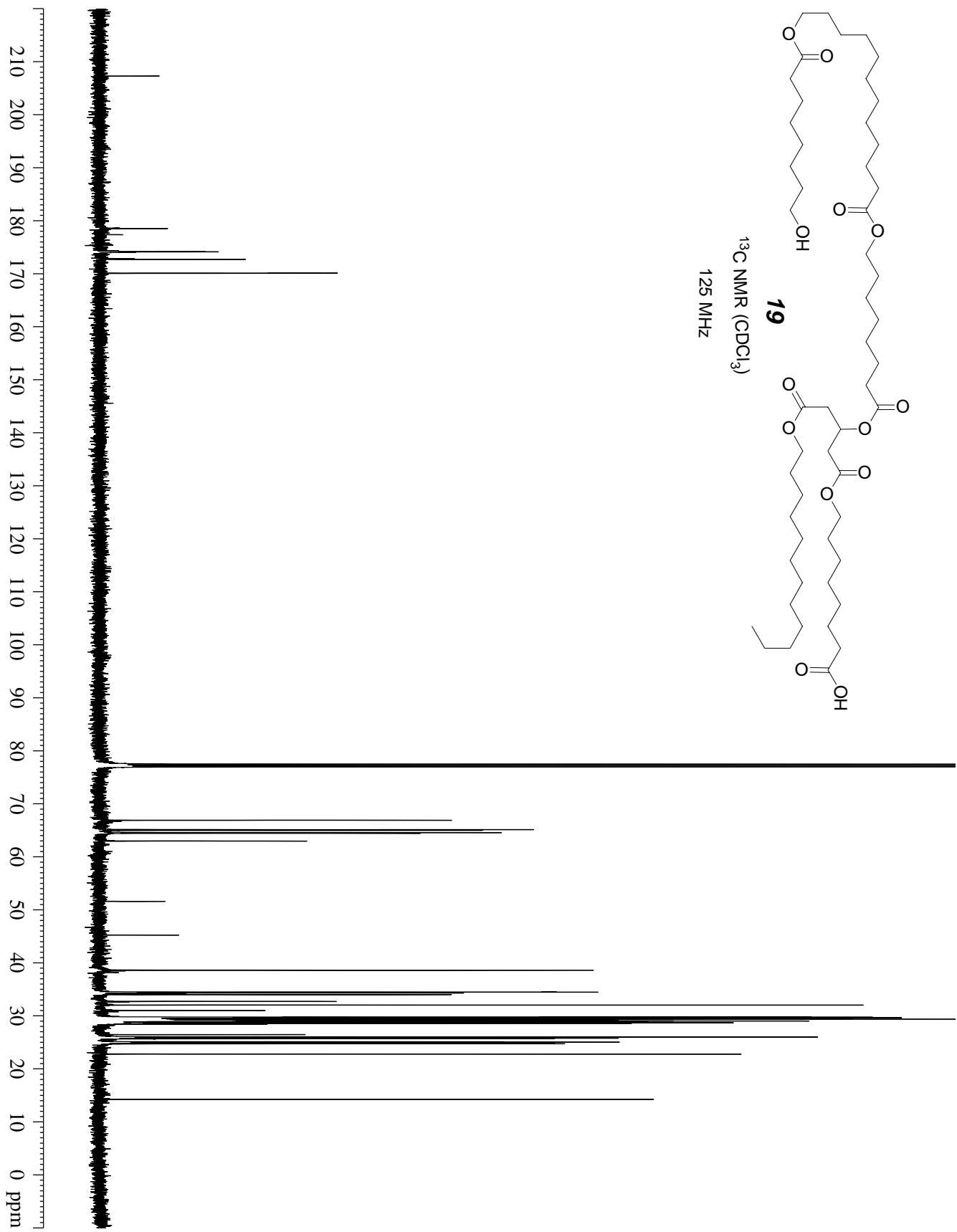
<sup>1</sup>H NMR ( $\text{CDCl}_3$ )

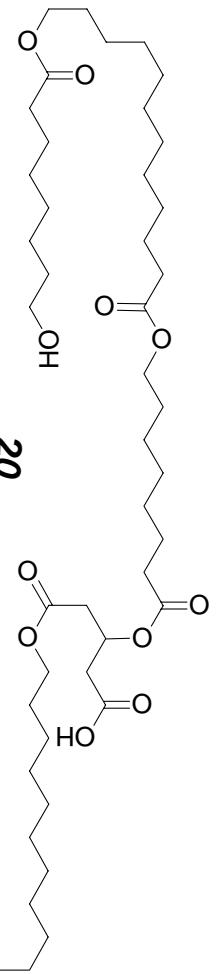
500 MHz











<sup>1</sup>H NMR (CDCl<sub>3</sub>)

300 MHz

