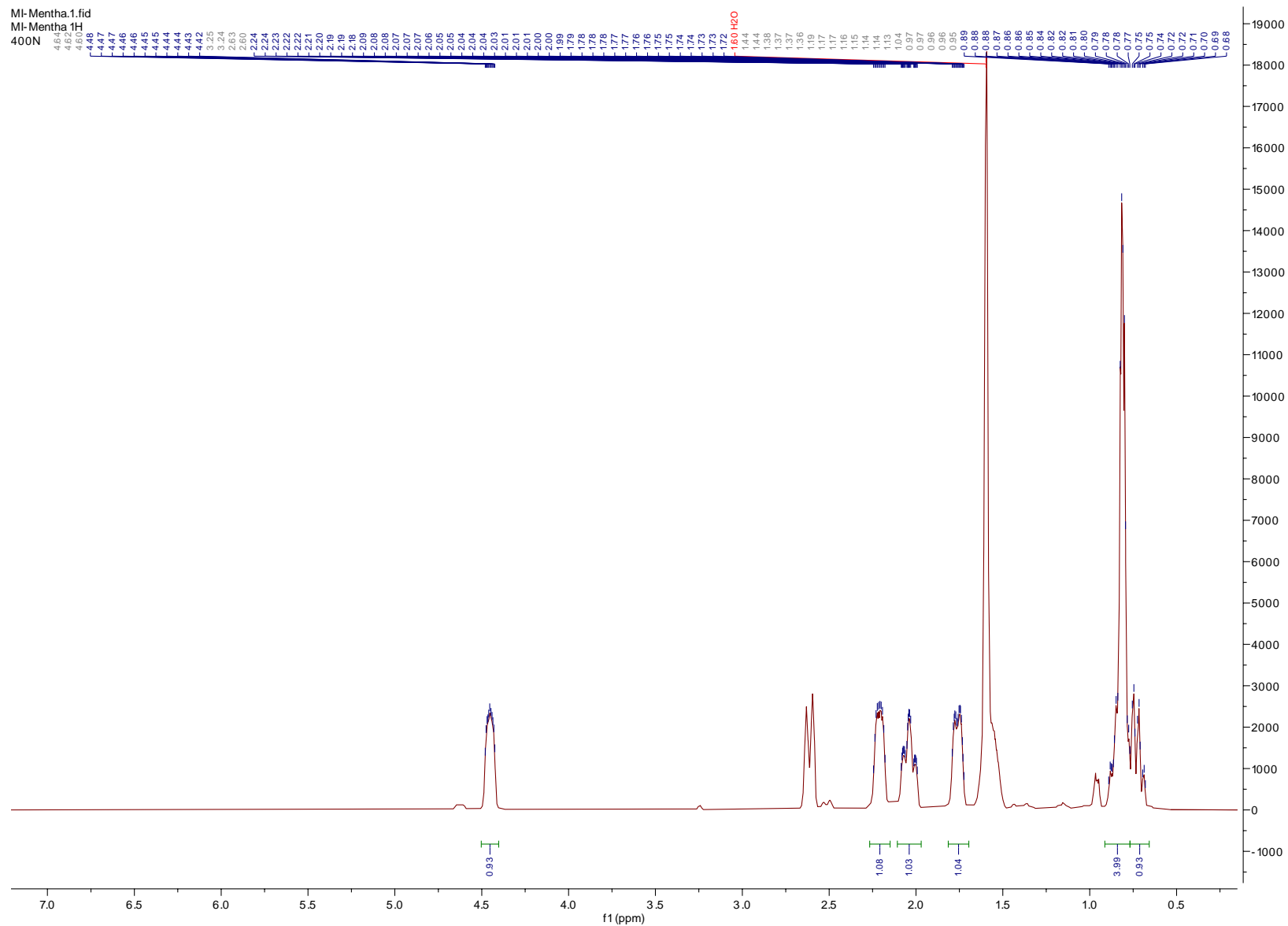


## Supplementary Information

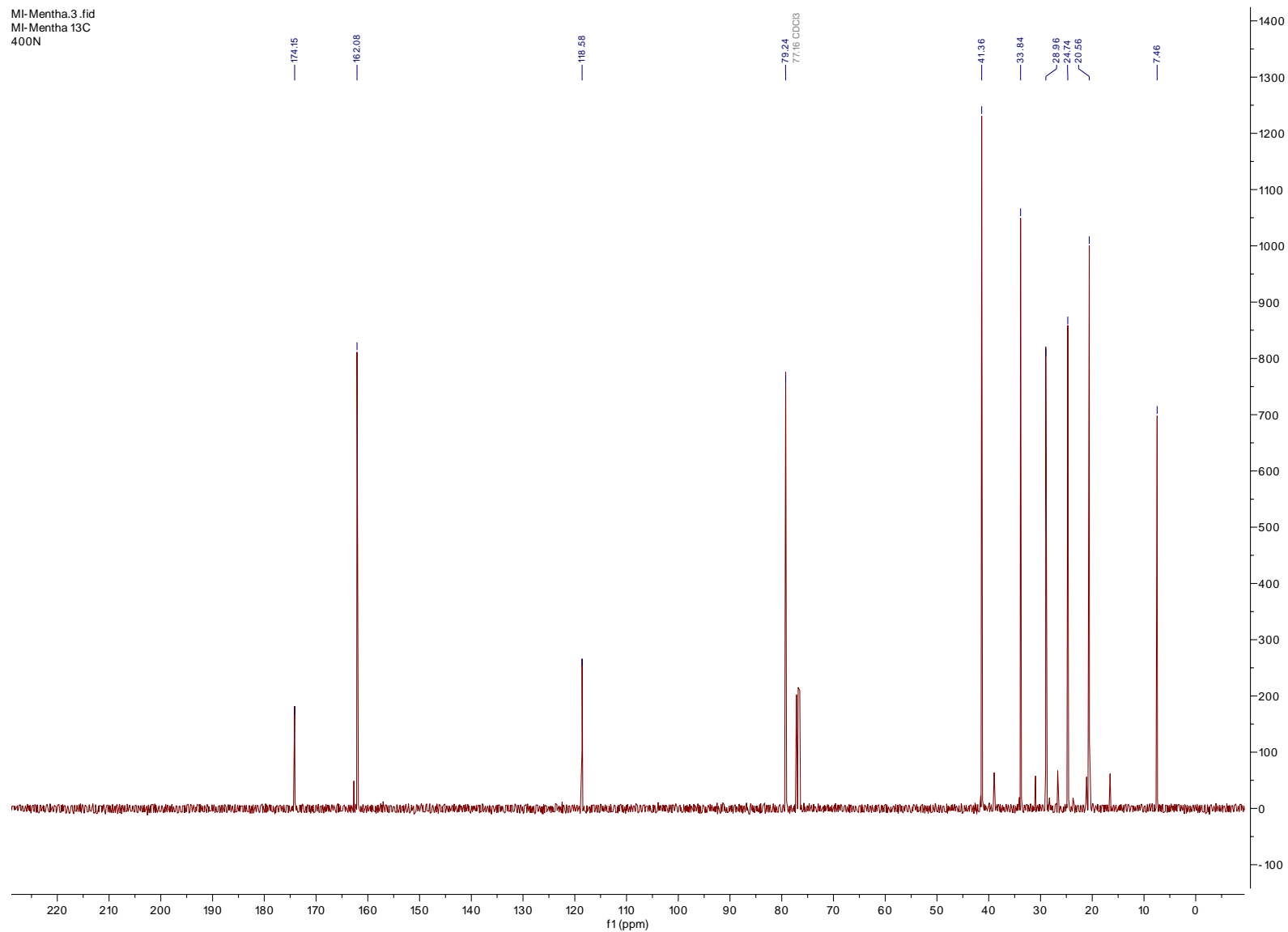
Page Number	Figure
SI1	$^1\text{H}$ NMR spectrum of <b>1</b>
SI2	$^{13}\text{C}$ NMR spectrum of <b>1</b>
SI3	Dept-135 NMR spectrum of <b>1</b>
SI4	$^1\text{H}$ NMR spectrum of <b>2</b>
SI5	$^{13}\text{C}$ NMR spectrum of <b>2</b>
SI6	Dept-135 NMR spectrum of <b>2</b>
SI7	$^1\text{H}$ NMR spectrum of <b>3</b>
SI9	$^{13}\text{C}$ NMR spectrum of <b>3</b>
SI10	Dept-135 NMR spectrum of <b>3</b>
SI11	$^1\text{H}$ NMR spectrum of <b>4</b>
SI12	$^{13}\text{C}$ NMR spectrum of <b>4</b>
SI13	Dept-135 NMR spectrum of <b>4</b>
SI14	$^1\text{H}$ NMR spectrum of <b>5</b>
SI15	$^{13}\text{C}$ NMR spectrum of <b>5</b>
SI16	Dept-135 NMR spectrum of <b>5</b>

Page Number	Figure
SI17	<sup>1</sup> H NMR spectrum of <b>6</b>
SI18	<sup>13</sup> C NMR spectrum of <b>6</b>
SI19	Dept-135 NMR spectrum of <b>6</b>
SI20	<sup>1</sup> H NMR spectrum of <b>7</b>
SI21	<sup>13</sup> C NMR spectrum of <b>7</b>
SI22	Dept-135 NMR spectrum of <b>7</b>
SI23	<sup>1</sup> H NMR spectrum of <b>8</b>
SI24	<sup>13</sup> C NMR spectrum of <b>8</b>
SI25	Dept-135 NMR spectrum of <b>8</b>
SI26	<sup>1</sup> H NMR spectrum of <b>9</b>
SI27	<sup>13</sup> C NMR spectrum of <b>9</b>
SI28	Dept-135 NMR spectrum of <b>9</b>
SI29	<sup>1</sup> H NMR spectrum of <b>10</b>
SI30	<sup>13</sup> C NMR spectrum of <b>10</b>
SI31	Dept-135 NMR spectrum of <b>10</b>
SI32	<sup>1</sup> H NMR spectrum of <b>11</b>
SI33	<sup>13</sup> C NMR spectrum of <b>11</b>
SI34	Dept-135 NMR spectrum of <b>11</b>



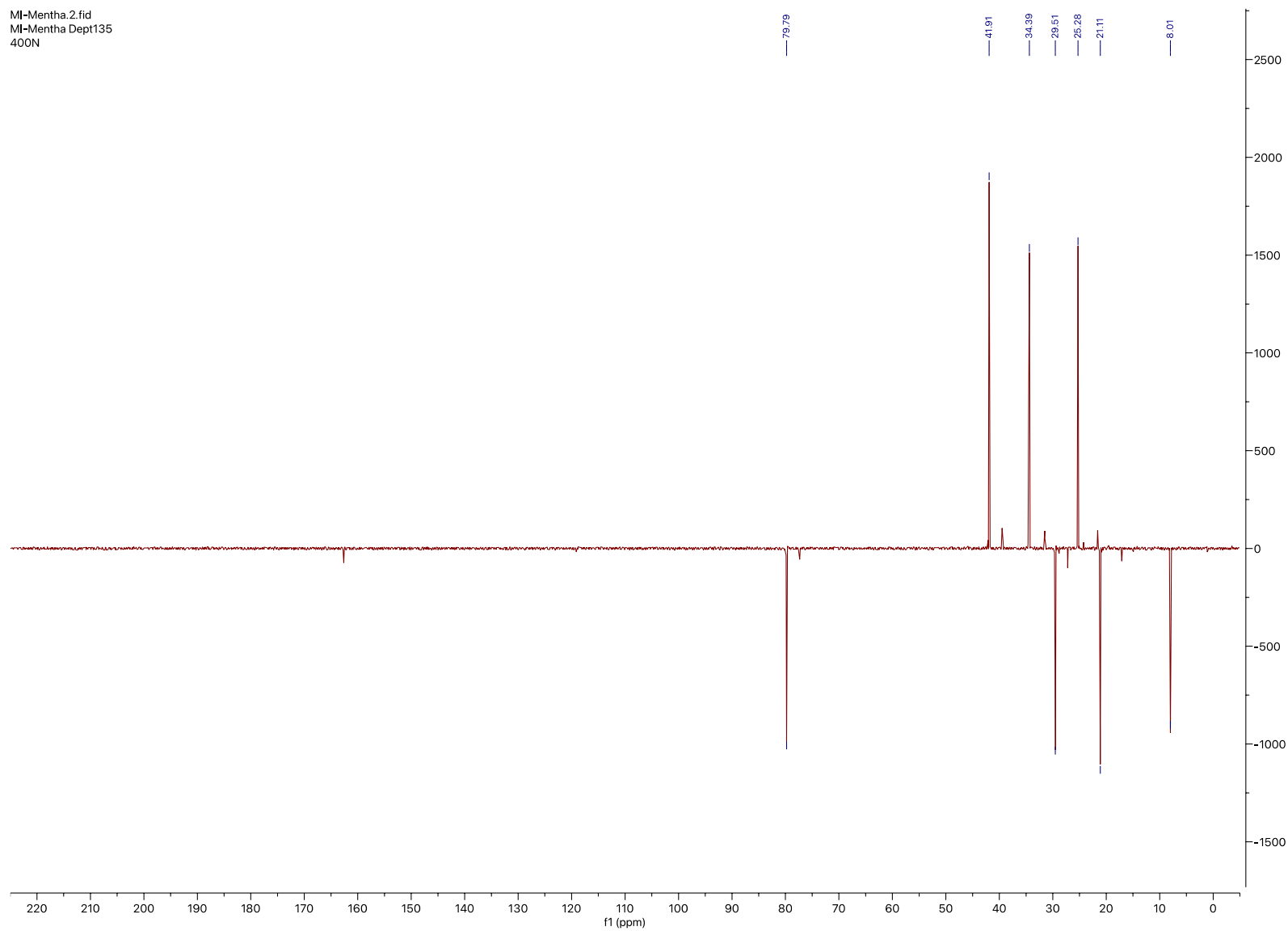
**SI 1:**  $^1\text{H}$  NMR spectrum of **1** [400 MHz,  $\text{CDCl}_3$ ]

MI-Mentha.3.fid  
MI-Mentha 13C  
400N

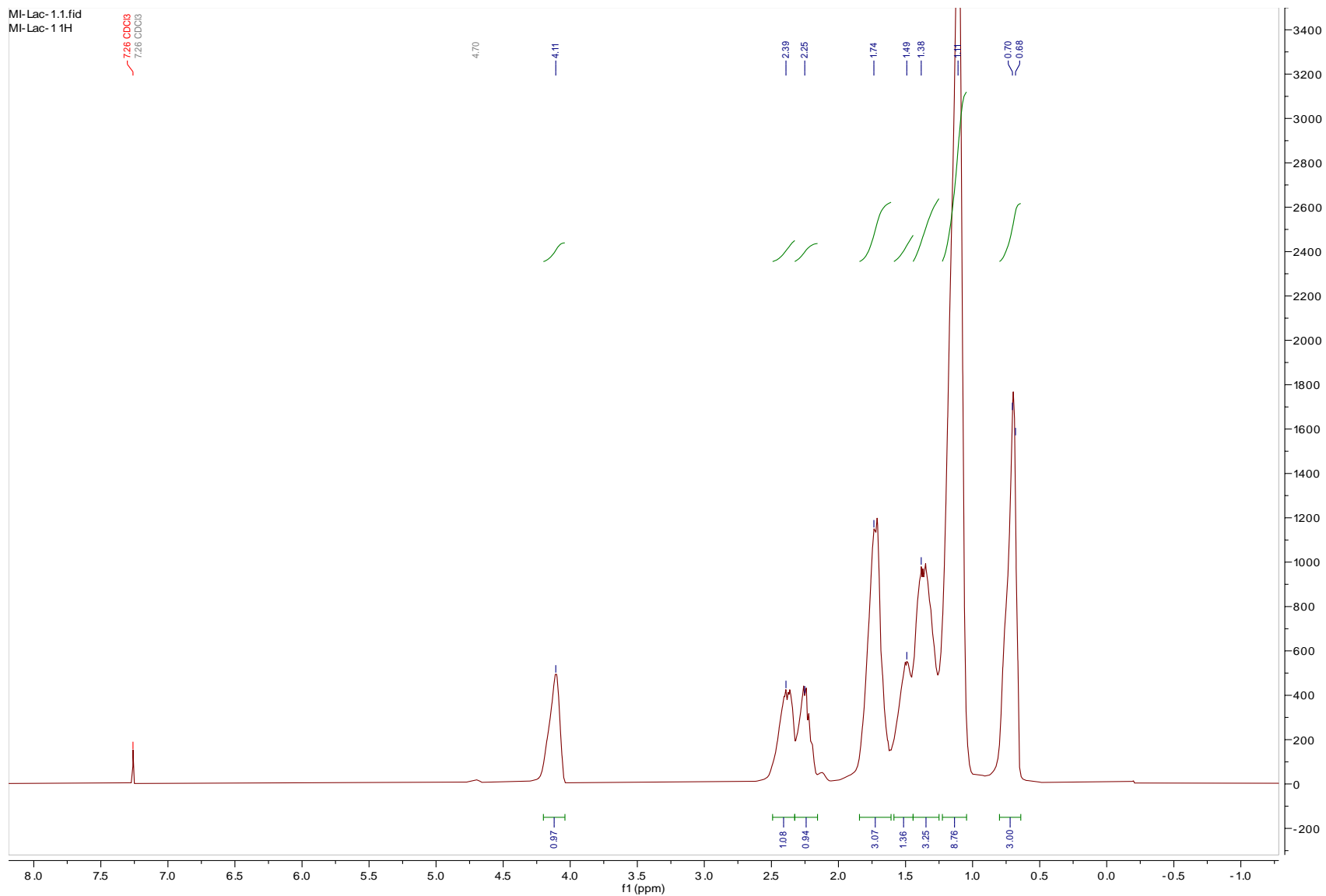


**SI 2:** <sup>13</sup>C NMR spectrum of **1** [100 MHz, CDCl<sub>3</sub>]

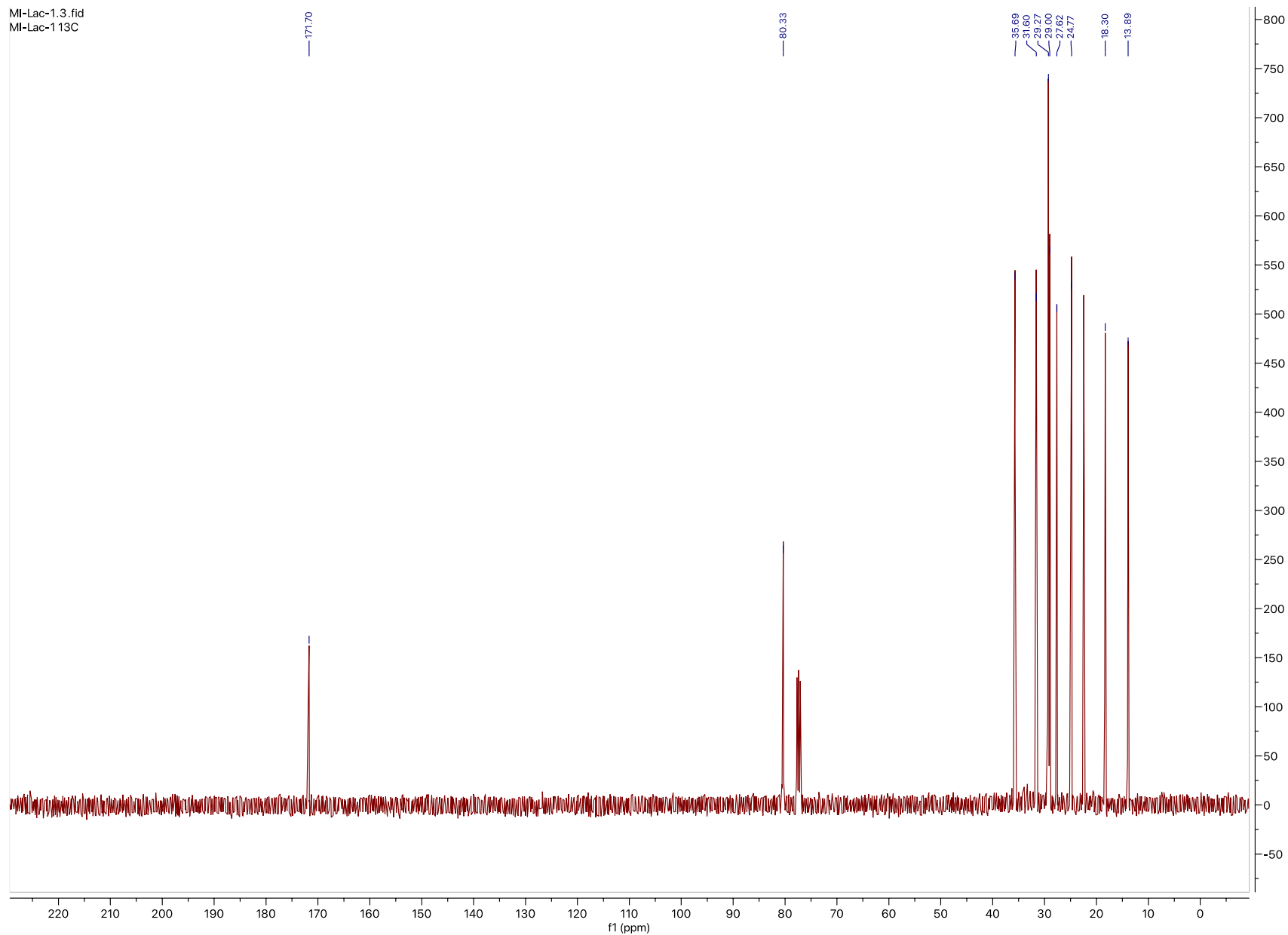
MI-Mentha.2.fid  
MI-Mentha Dept135  
400N



**SI 3:** Dept-135 NMR spectrum of **1** [400 MHz,  $\text{CDCl}_3$ ]

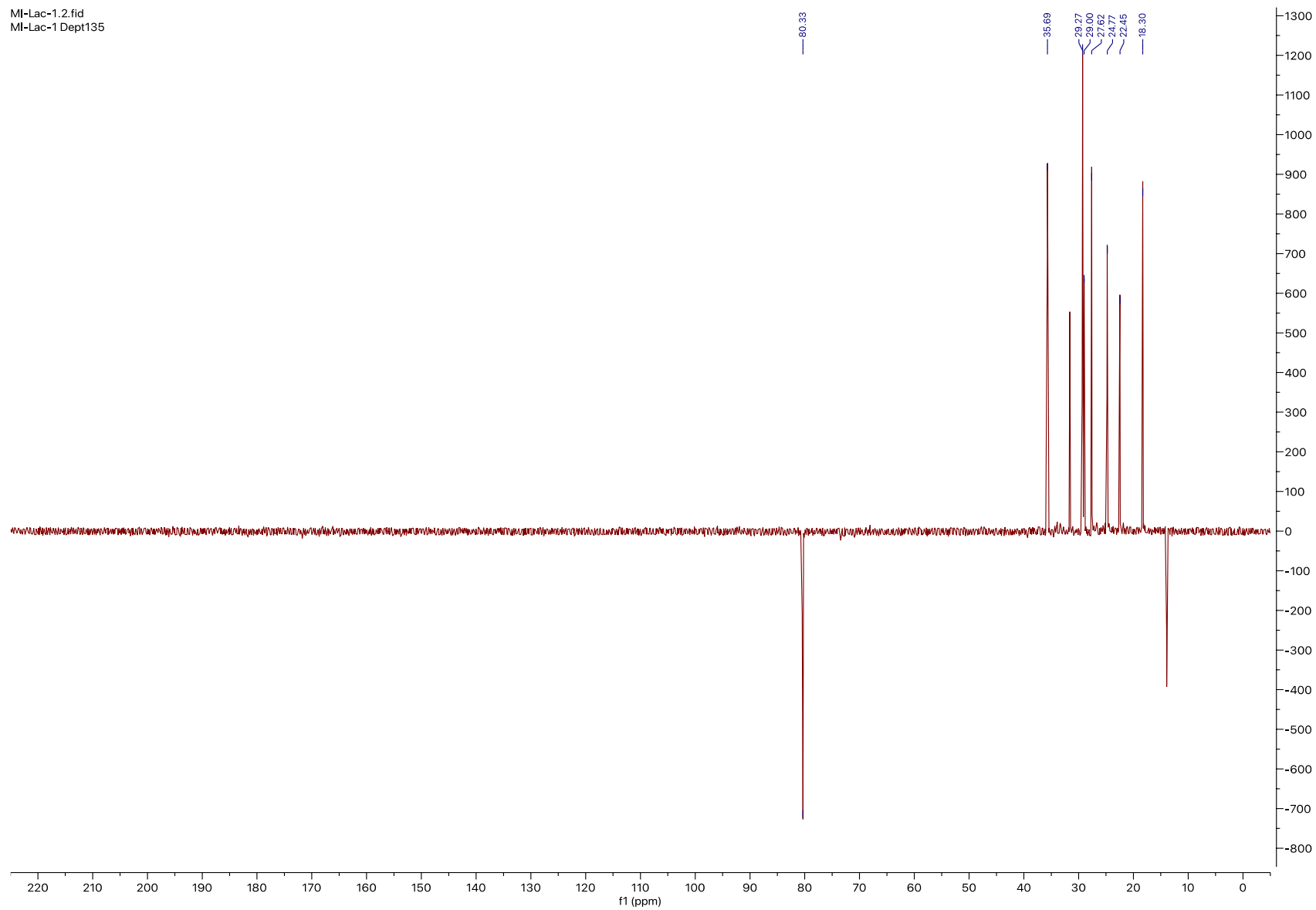


**SI 4:**  $^1\text{H}$  NMR spectrum of **2** [400 MHz,  $\text{CDCl}_3$ ]



**SI 5:**  $^{13}\text{C}$  NMR spectrum of **2** [100 MHz,  $\text{CDCl}_3$ ]

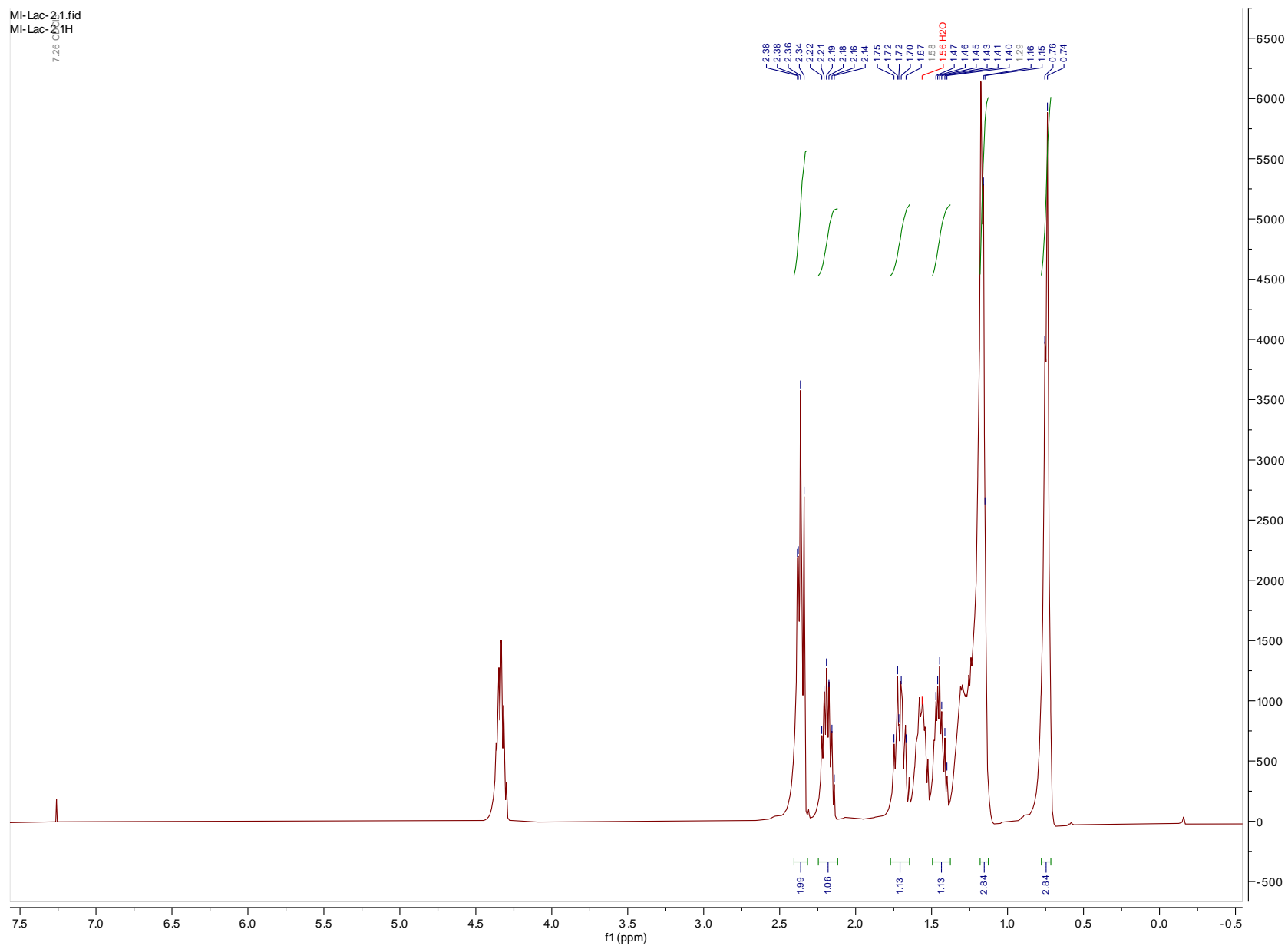
MI-Lac-1.2.fid  
MI-Lac-1 Dept135



**SI 6:** Dept-135 NMR spectrum of **2** [400 MHz,  $\text{CDCl}_3$ ]

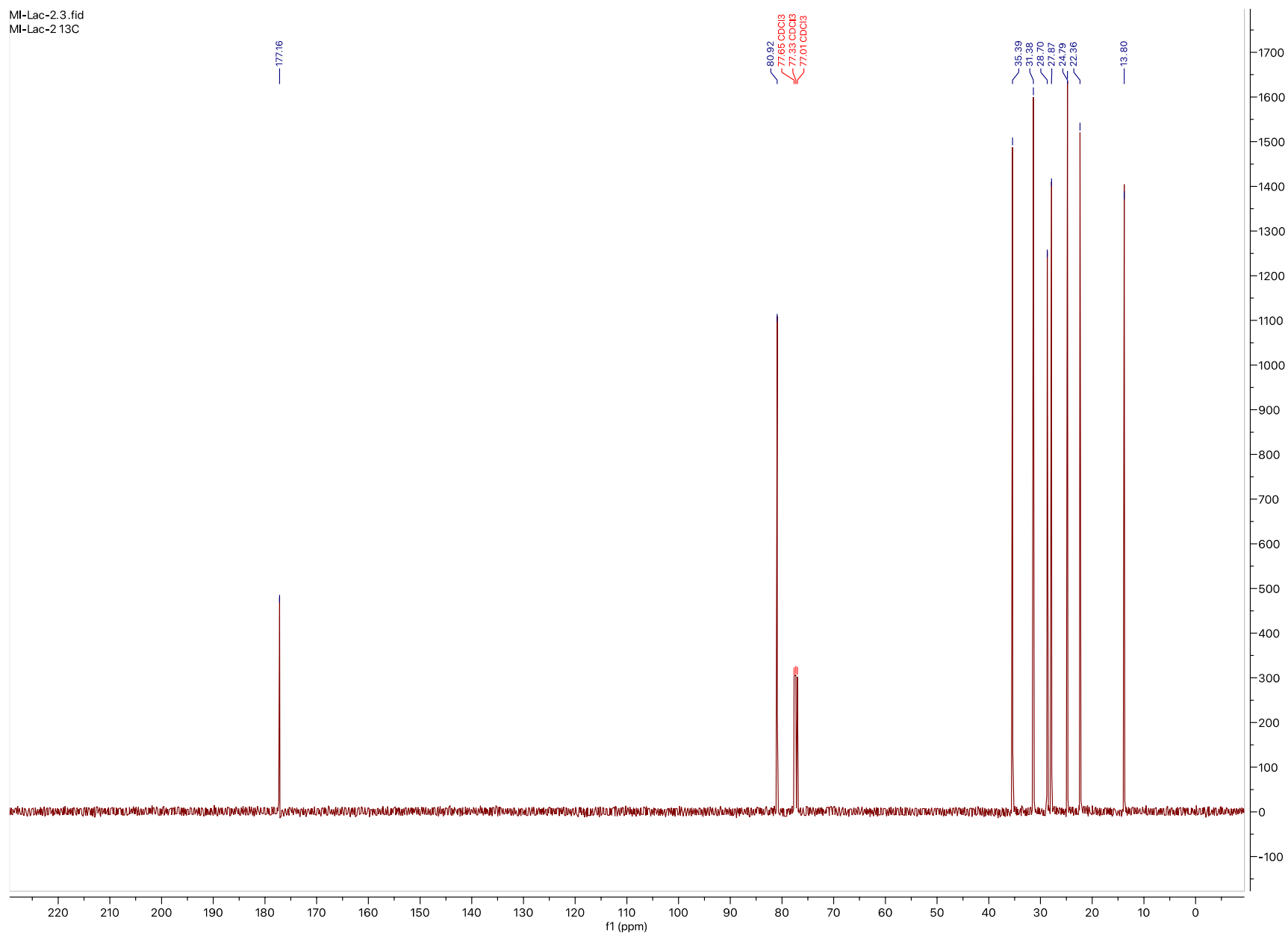


MI-Lac-2;1.fid  
MI-Lac-2;1H



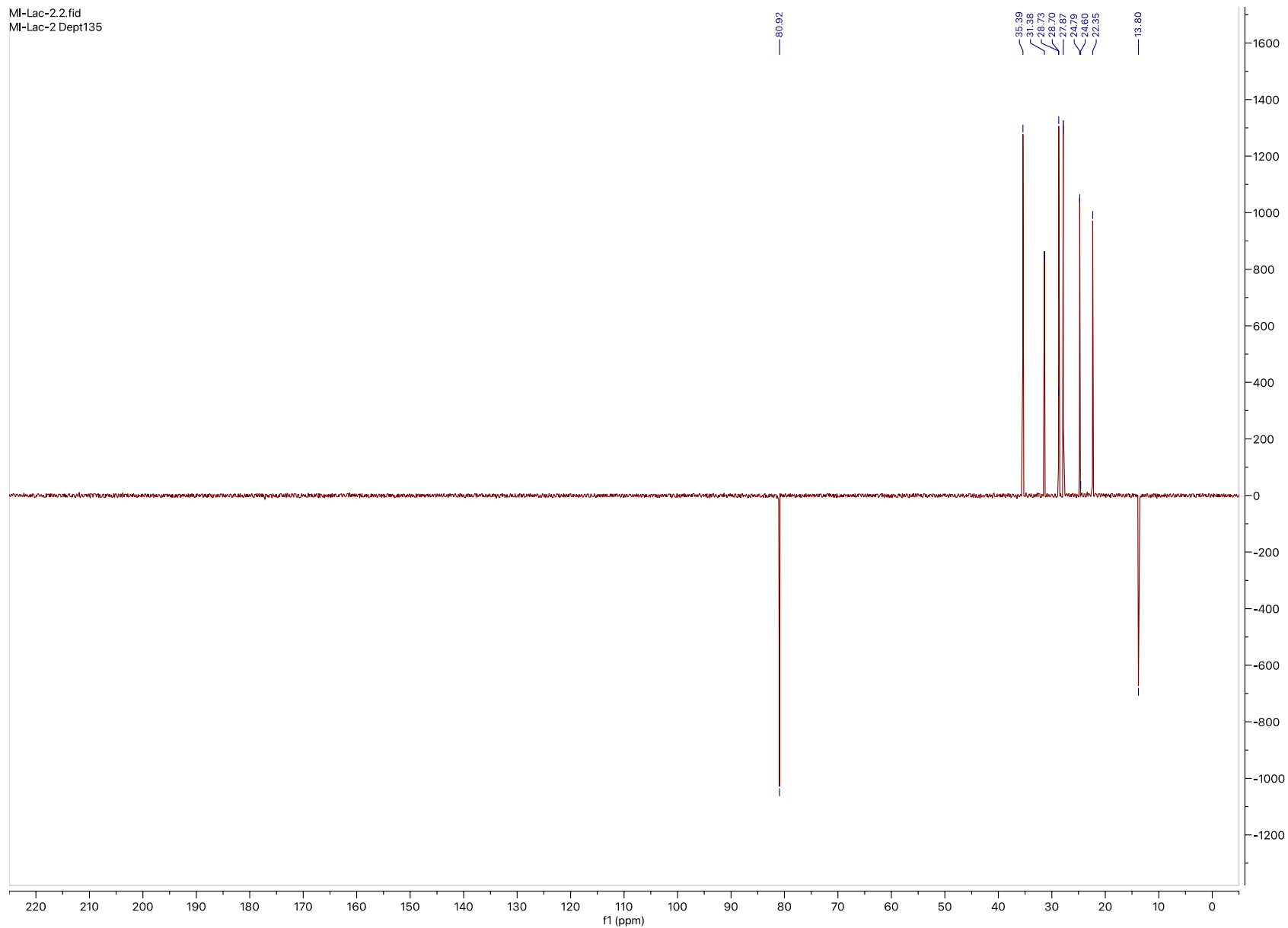
**SI 8:**  $^1\text{H}$  NMR spectrum of **3** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-2.3.fid  
MI-Lac-2 13C

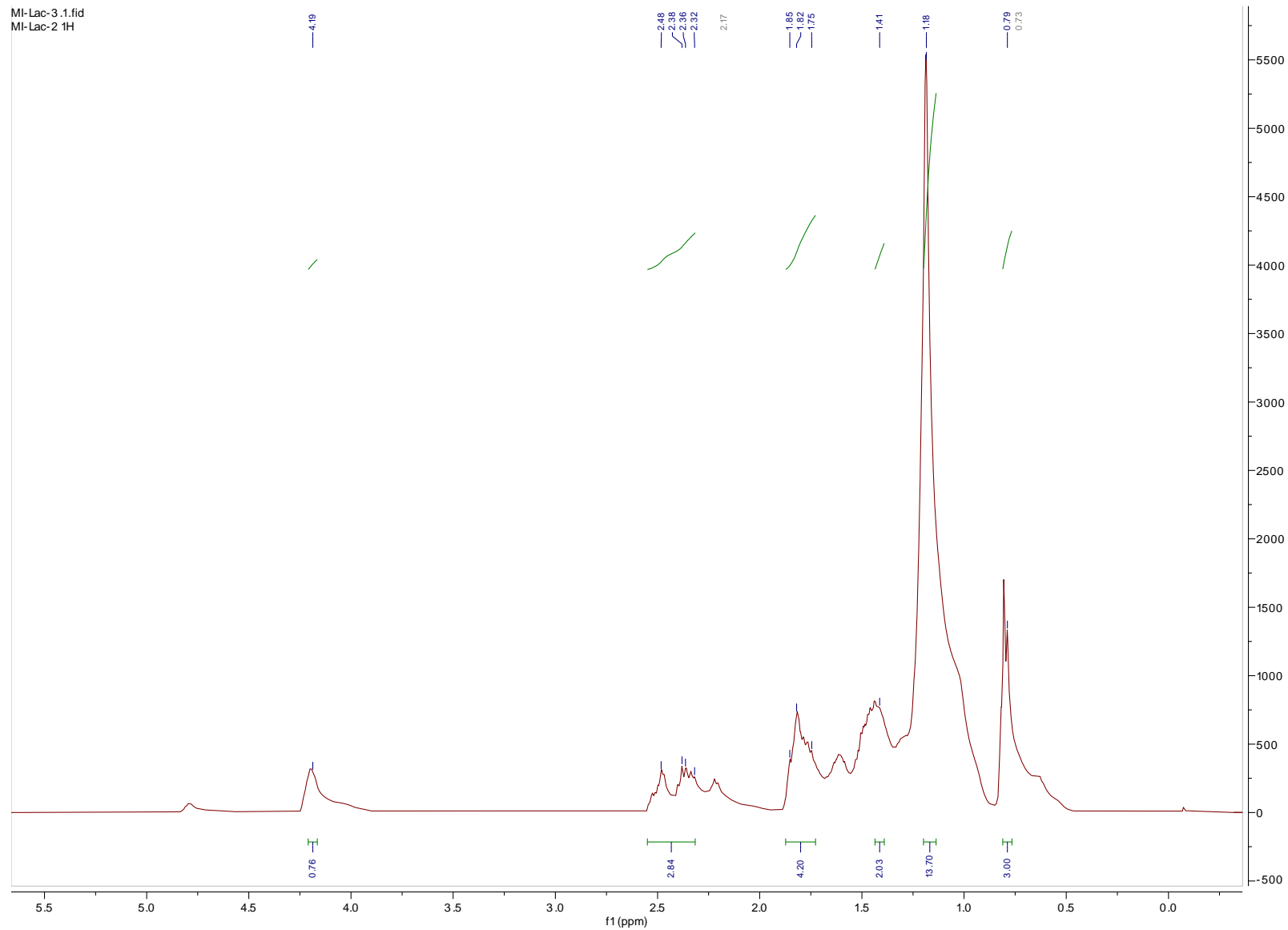


**SI 9:** <sup>13</sup>C NMR spectrum of **3** [100 MHz, CDCl<sub>3</sub>]

MI-Lac-2.2.fid  
MI-Lac-2 Dept135

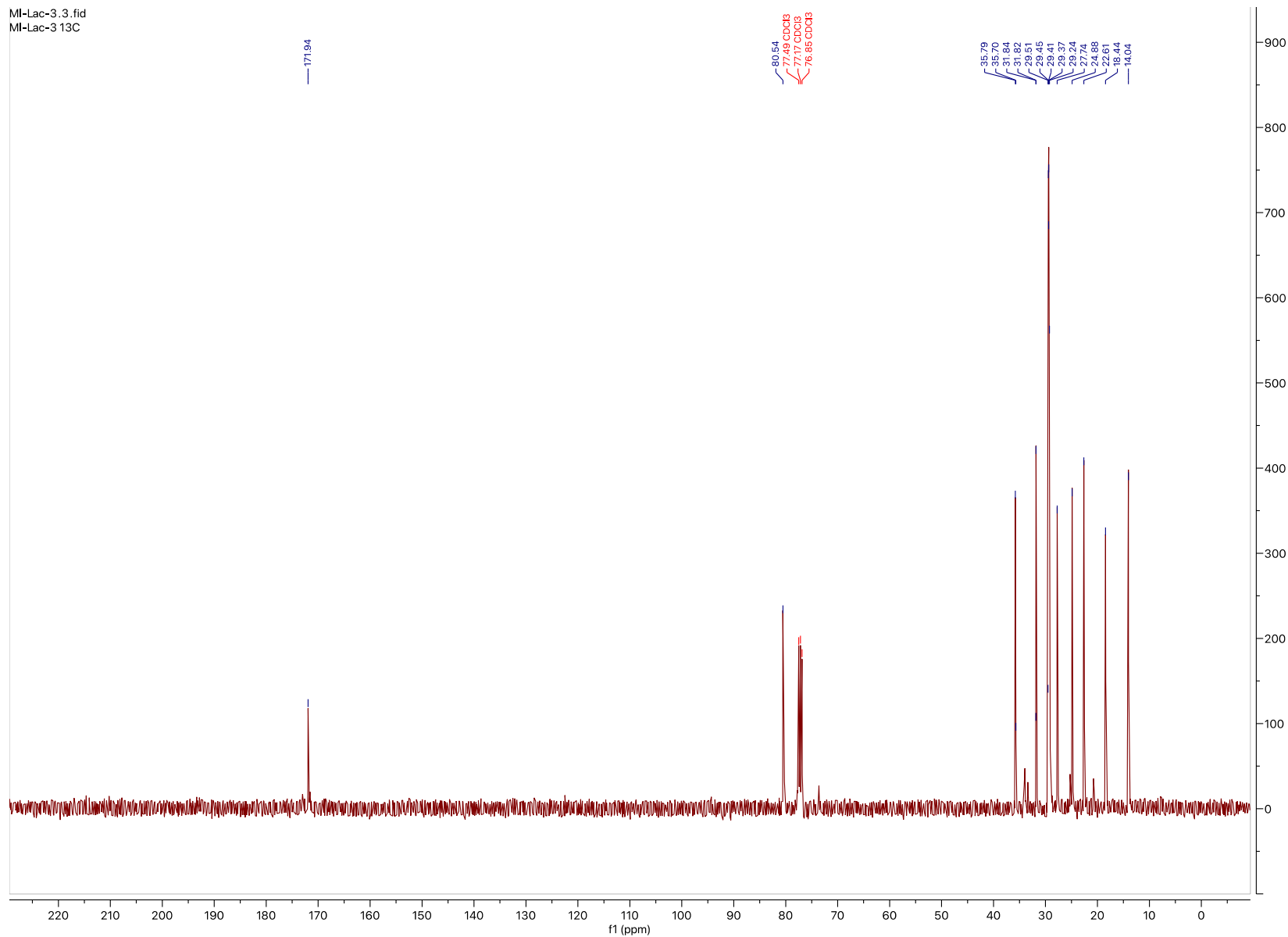


**SI 10:** Dept-135 NMR spectrum of **3** [400 MHz,  $\text{CDCl}_3$ ]

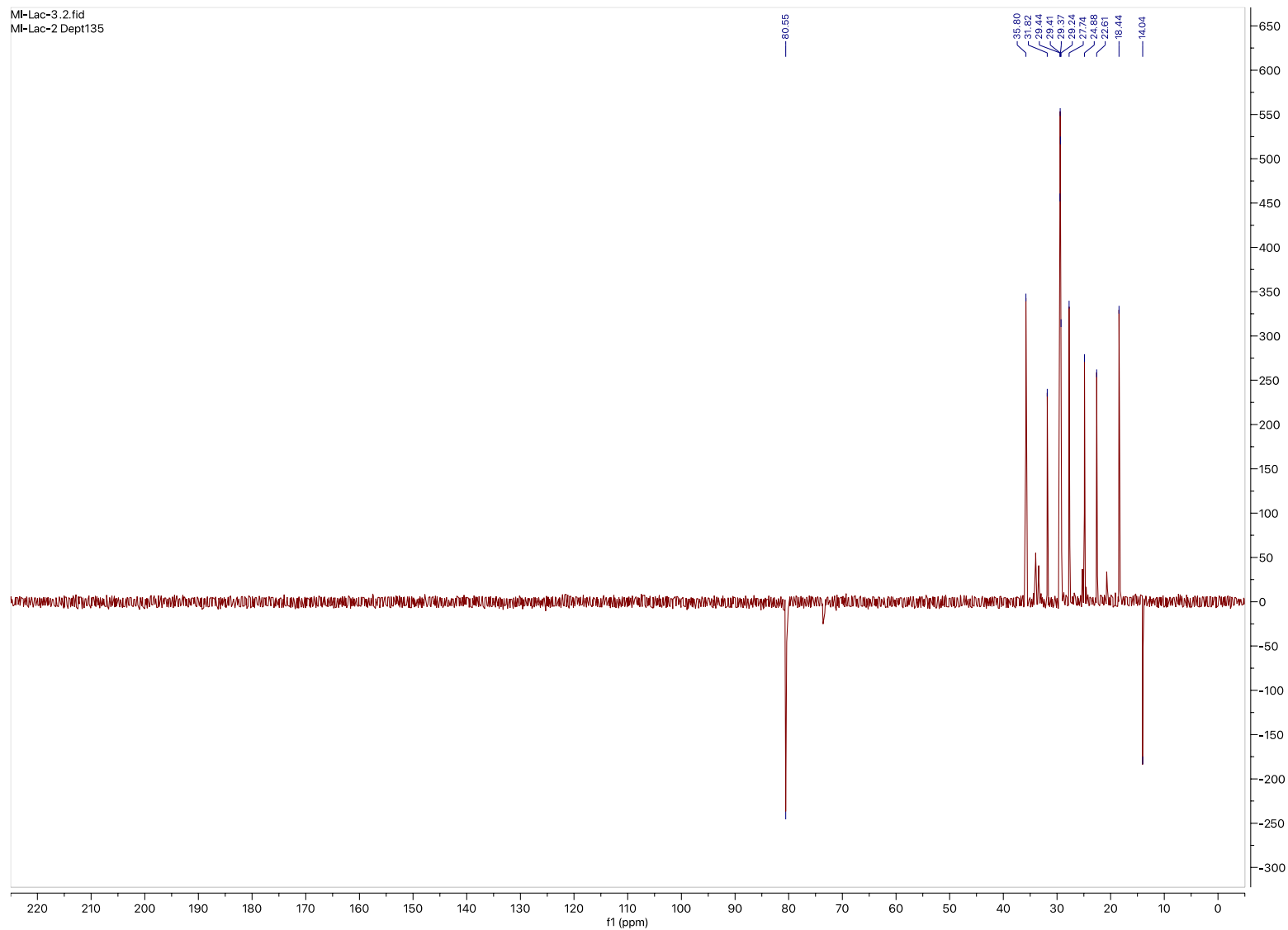


**SI 12:**  $^1\text{H}$  NMR spectrum of **4** [400 MHz,  $\text{CDCl}_3$ ]

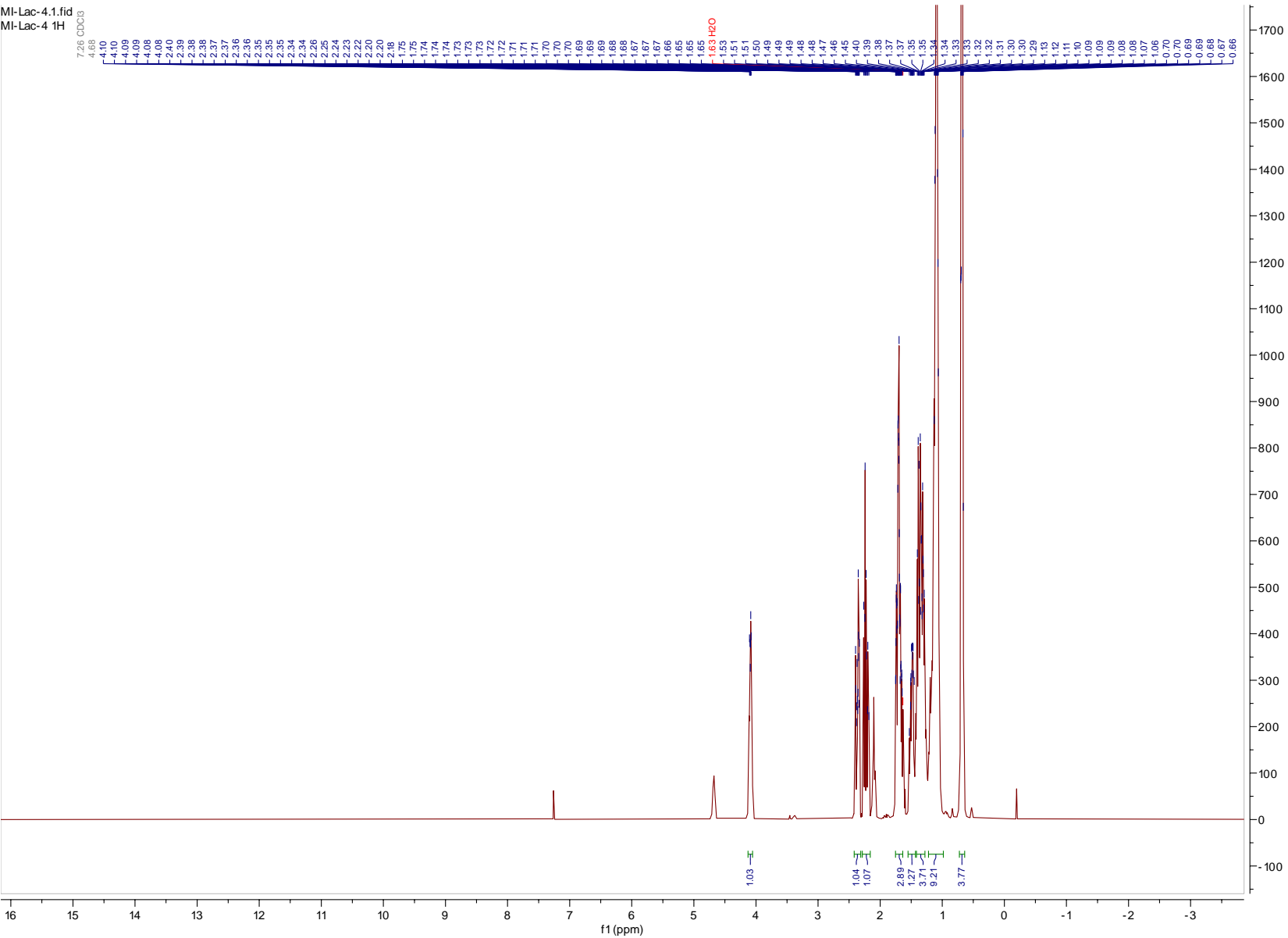
MI-Lac-3\_3.fid  
MI-Lac-3 13C



SI 13: <sup>13</sup>C NMR spectrum of **4** [100 MHz, CDCl<sub>3</sub>]

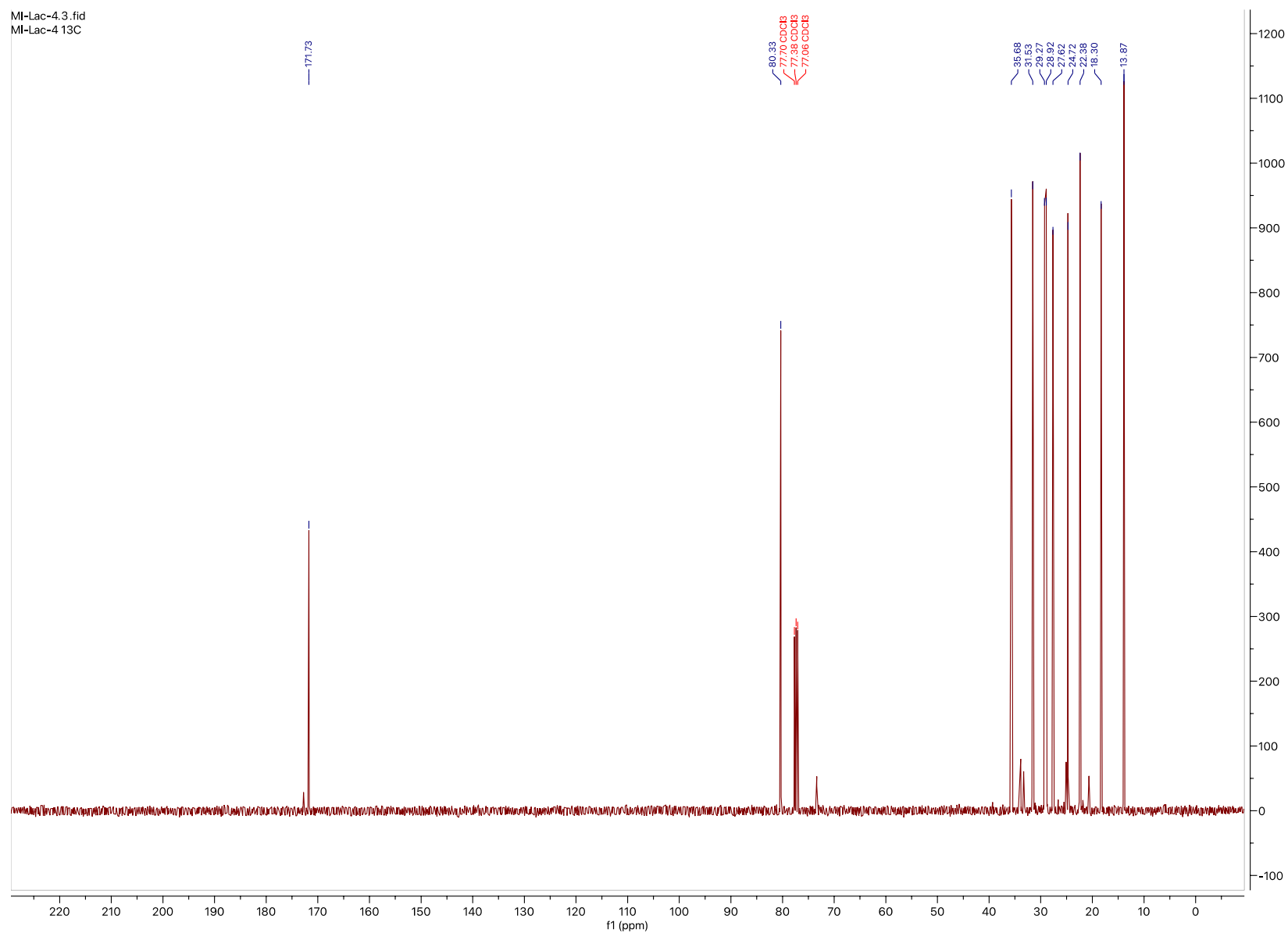


**SI 14:** Dept-135 NMR spectrum of **4** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-4.1.fid  
MI-Lac-4 1H

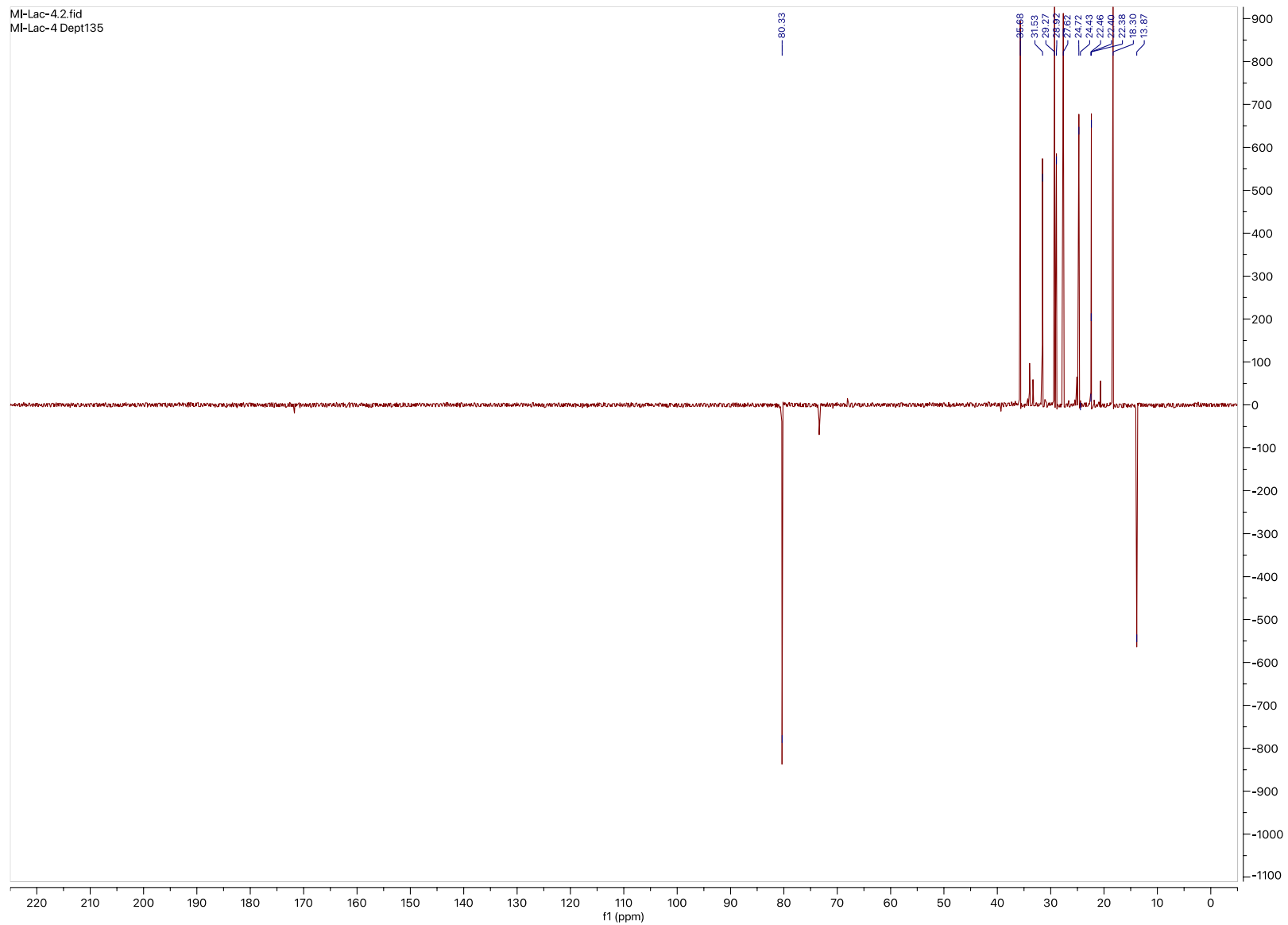
**SI 16:**  $^1\text{H}$  NMR spectrum of **5** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-4.3.fid  
MI-Lac-4 13C



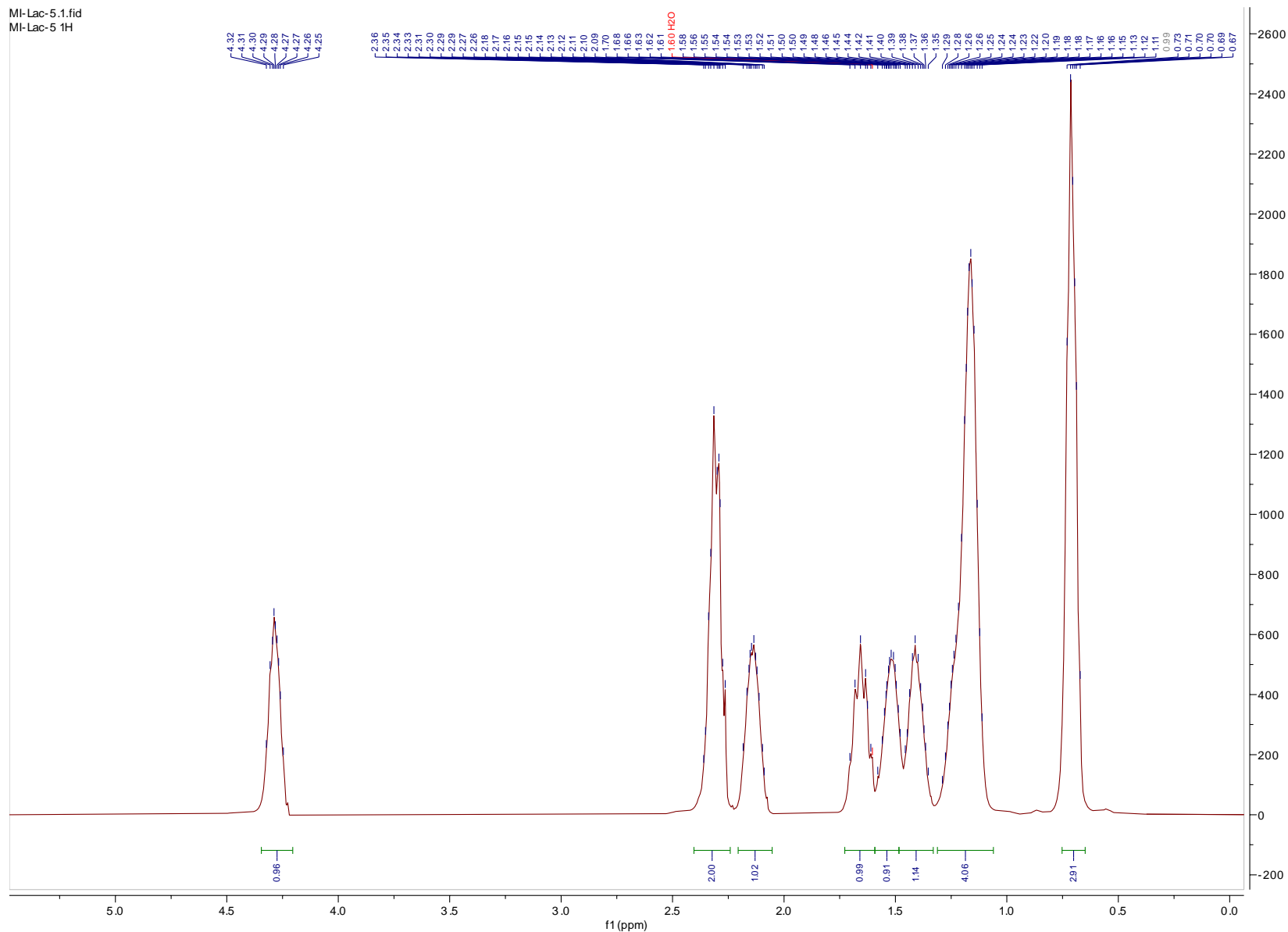
SI 17: <sup>13</sup>C NMR spectrum of **5** [100 MHz, CDCl<sub>3</sub>]



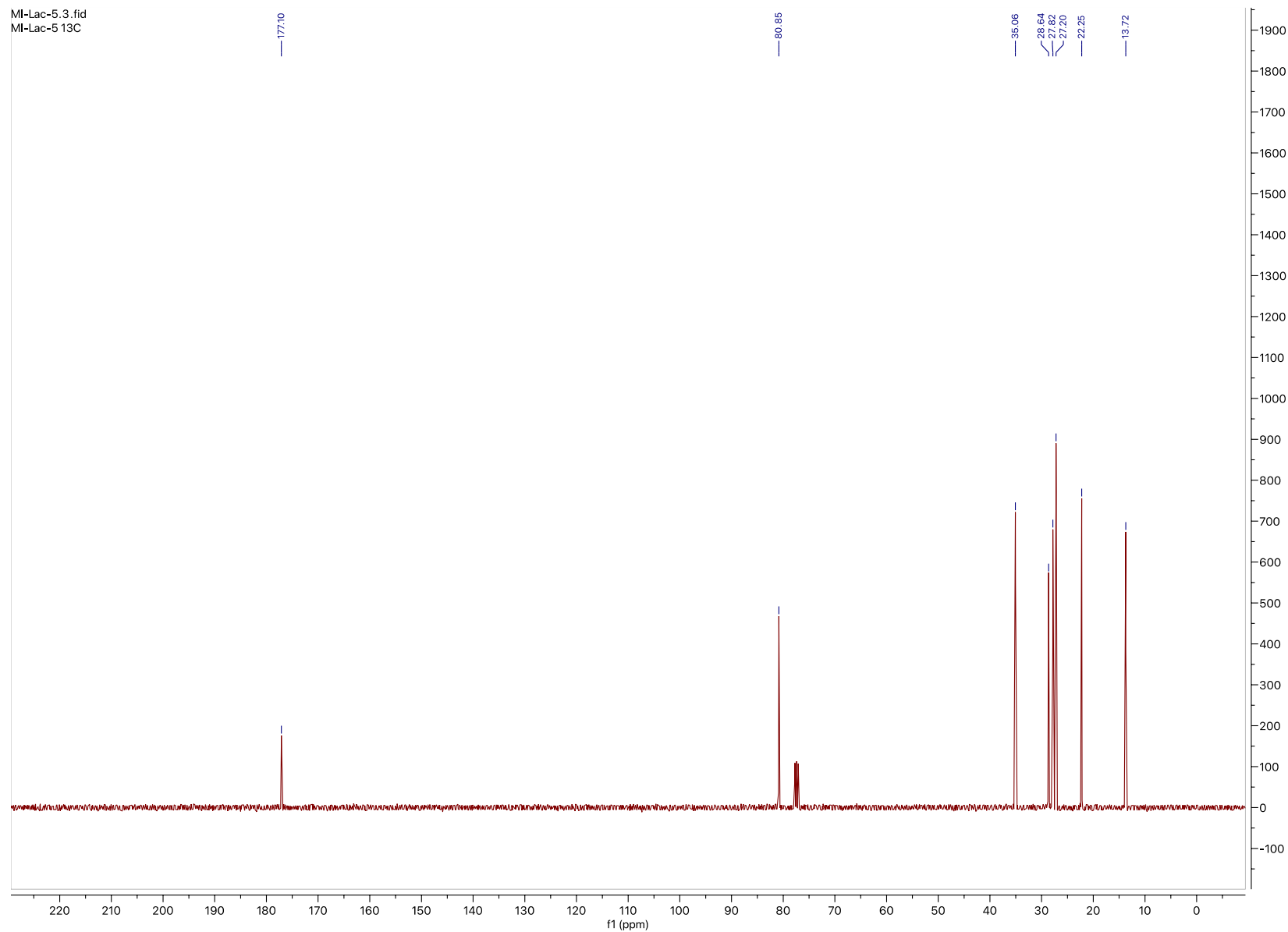


**SI 18:** Dept-135 NMR spectrum of **5** [400 MHz,  $\text{CDCl}_3$ ]

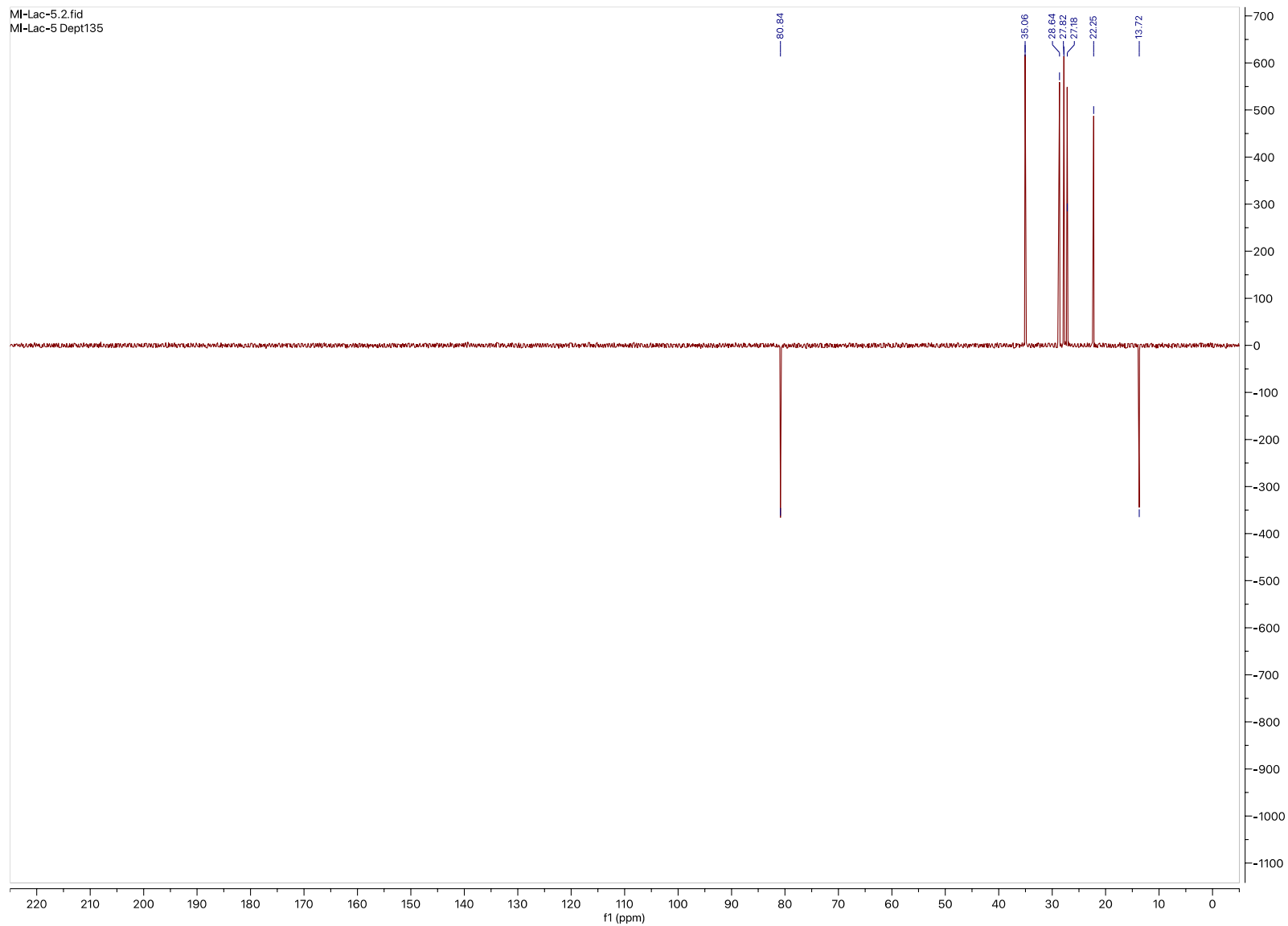
MI-Lac-5.1.fid  
MI-Lac-5 1H



SI 20:  $^1\text{H}$  NMR spectrum of **6** [400 MHz,  $\text{CDCl}_3$ ]

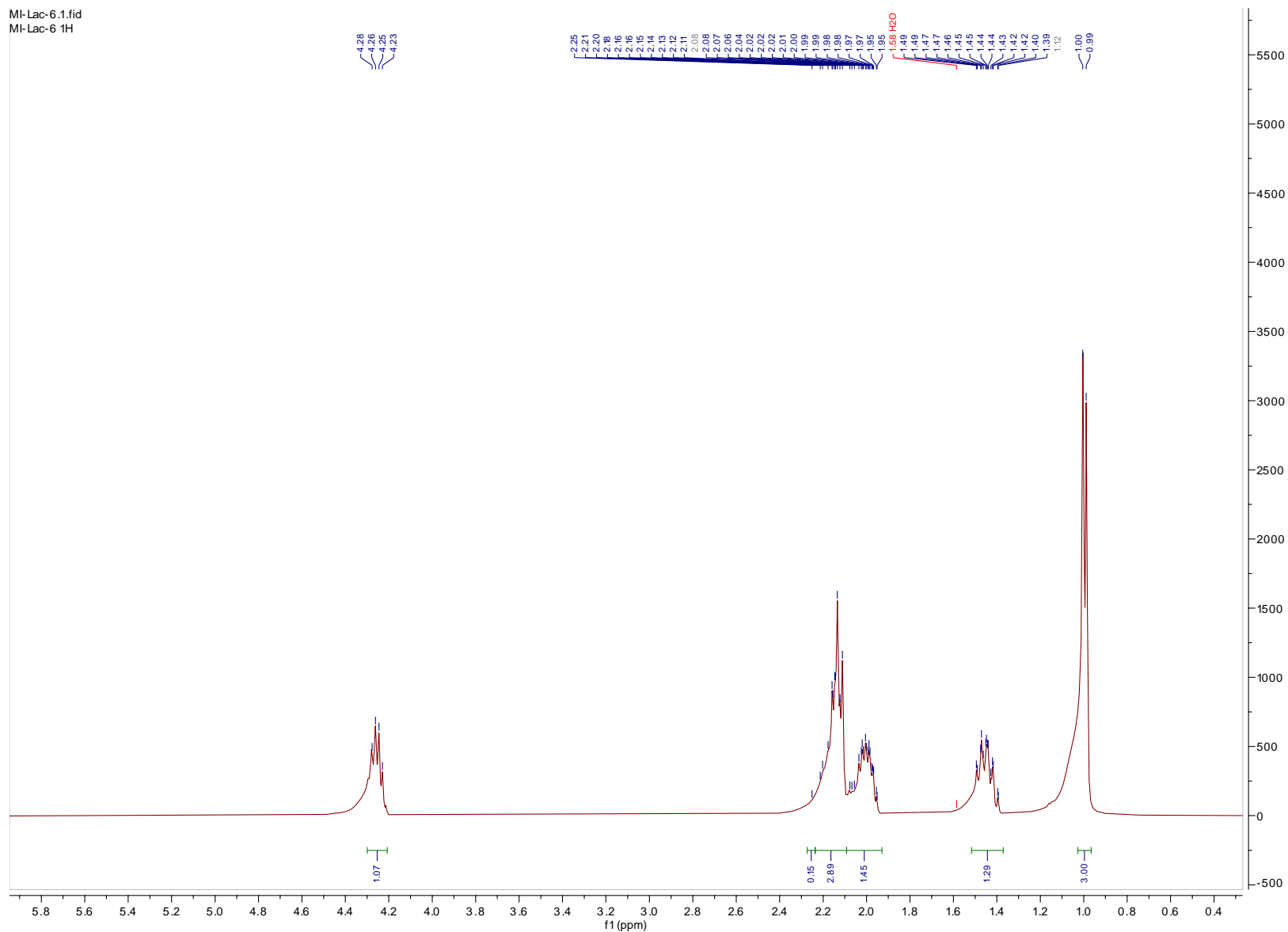


**SI 21:**  $^{13}\text{C}$  NMR spectrum of **6** [100 MHz,  $\text{CDCl}_3$ ]

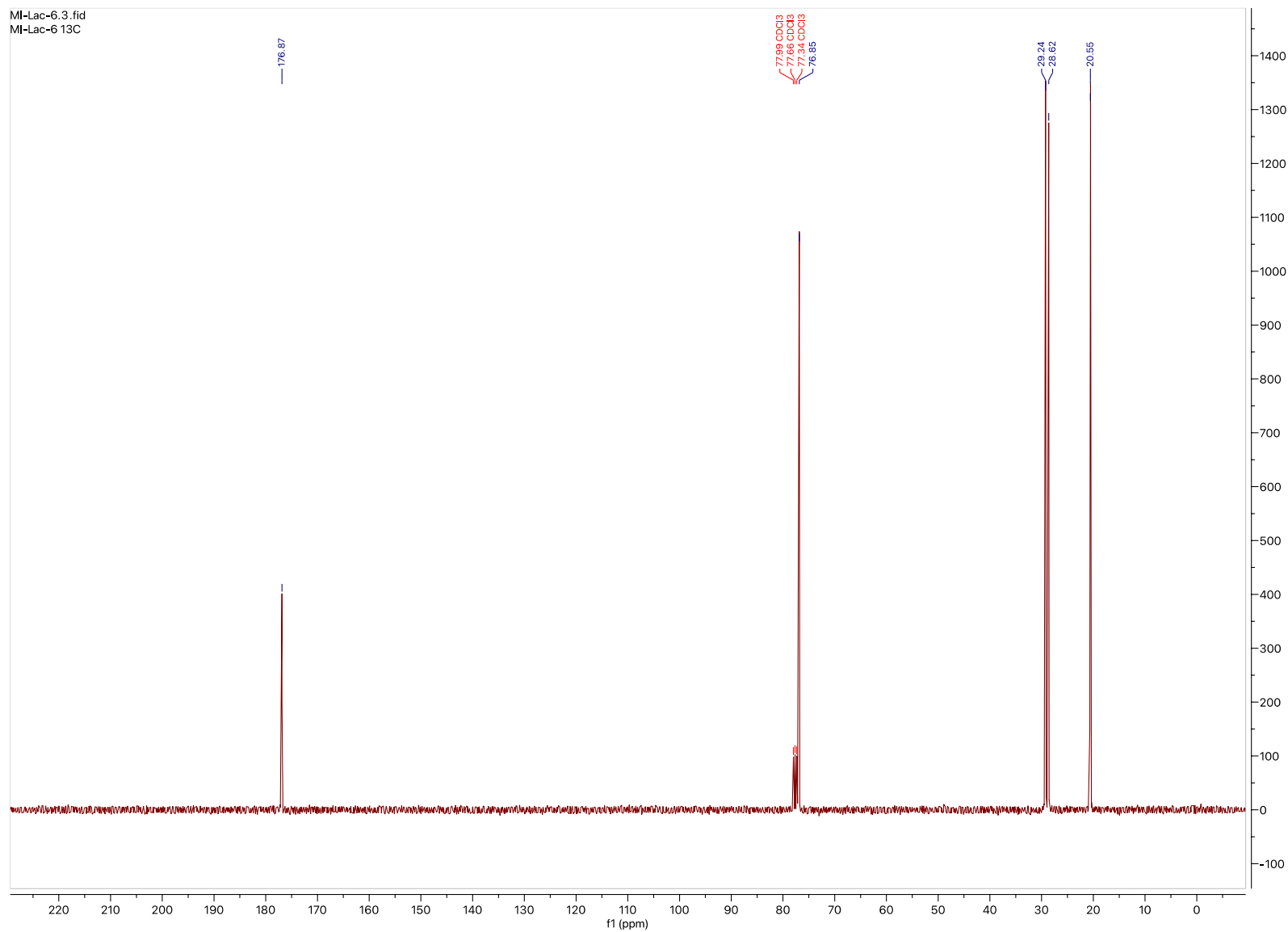


**SI 22:** Dept-135 NMR spectrum of **6** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-6.1.fid  
MI-Lac-6 1H

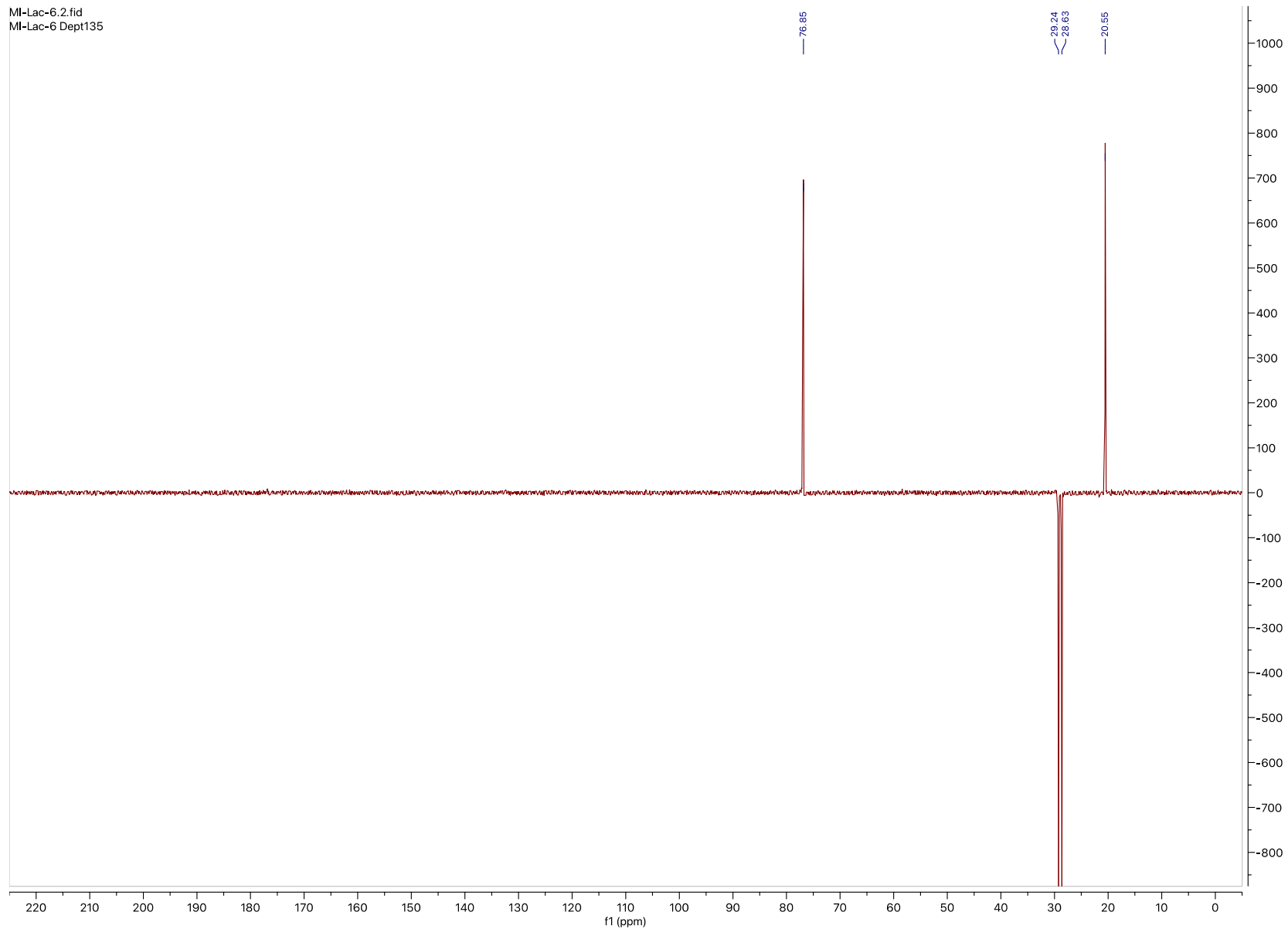


SI 24:  $^1\text{H}$  NMR spectrum of **7** [400 MHz,  $\text{CDCl}_3$ ]

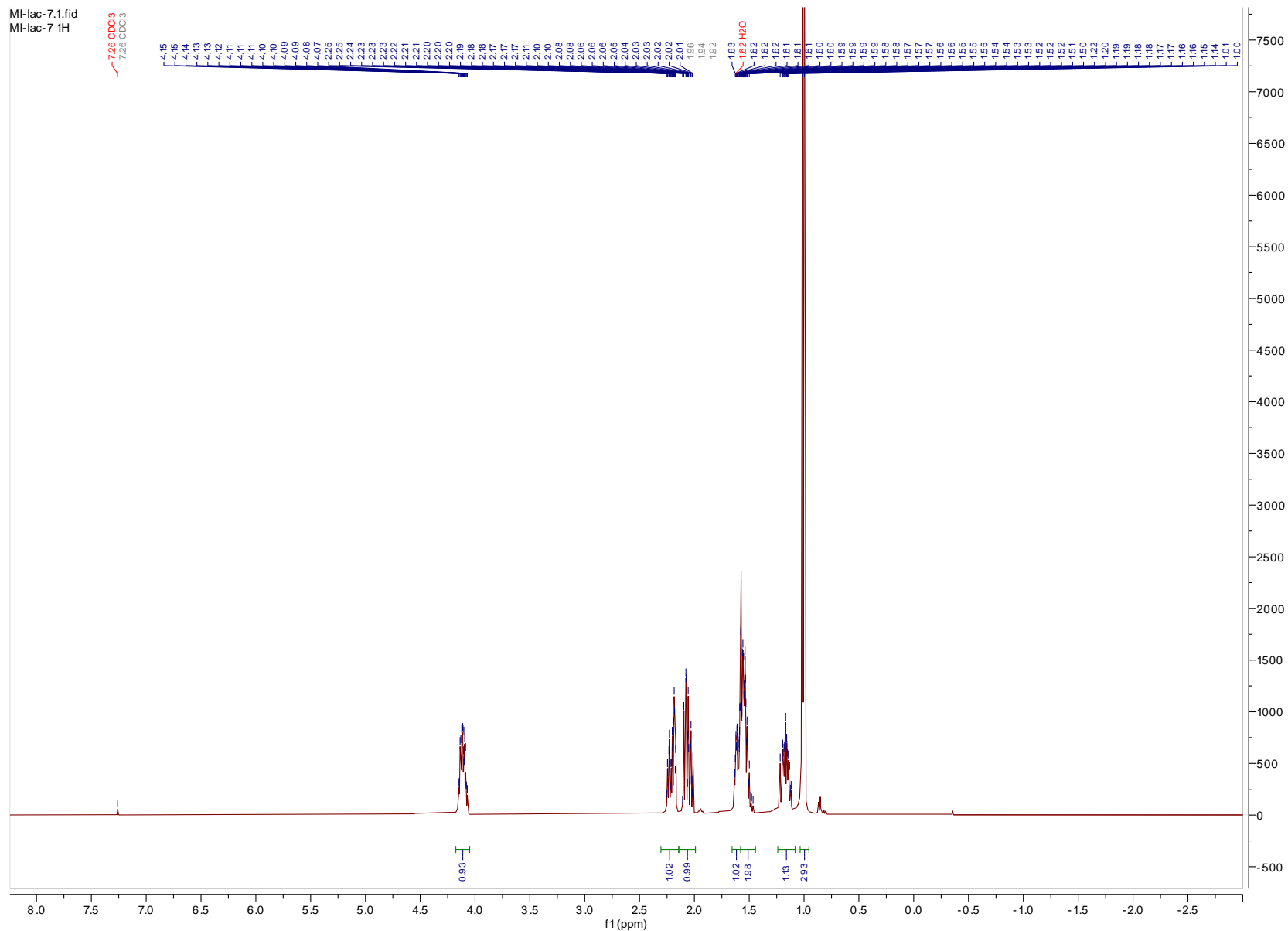


**SI 25:**  $^{13}\text{C}$  NMR spectrum of **7** [100 MHz,  $\text{CDCl}_3$ ]

MI-Lac-6.2.fid  
MI-Lac-6 Dept135

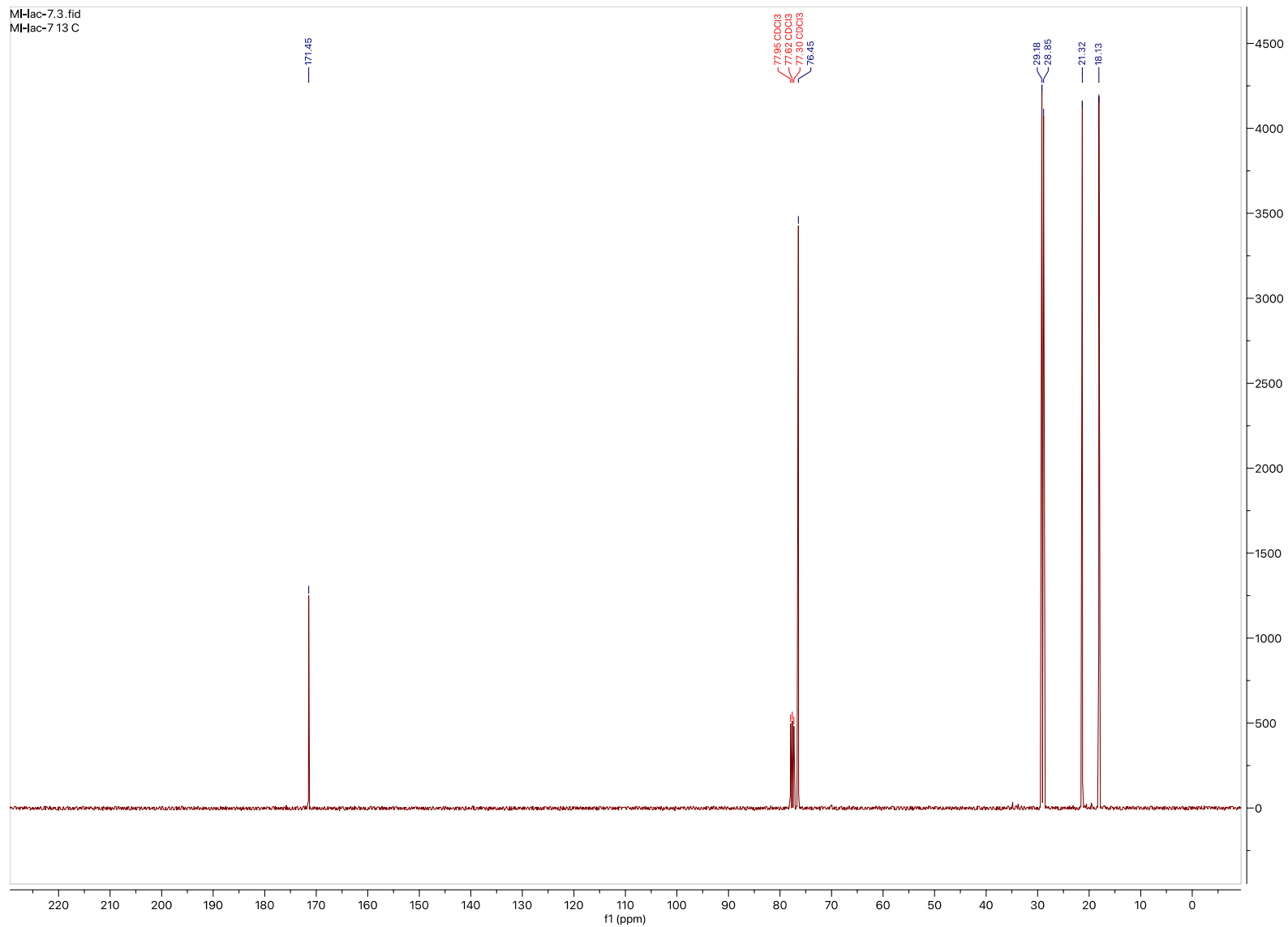


**SI 26:** Dept-135 NMR spectrum of **7** [400 MHz, CDCl<sub>3</sub>]

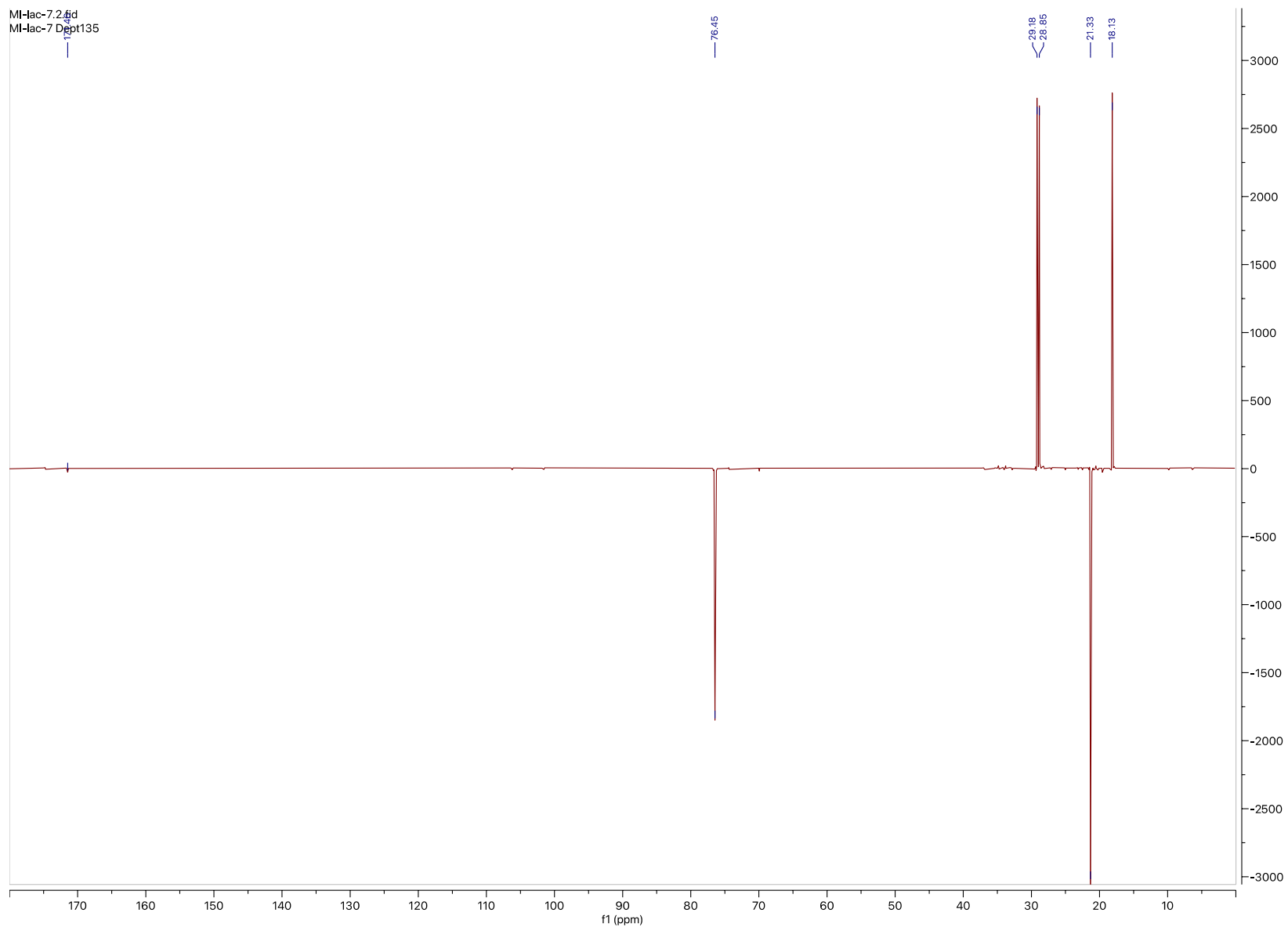


SI 24: <sup>1</sup>H NMR spectrum of **8** [400 MHz, CDCl<sub>3</sub>]



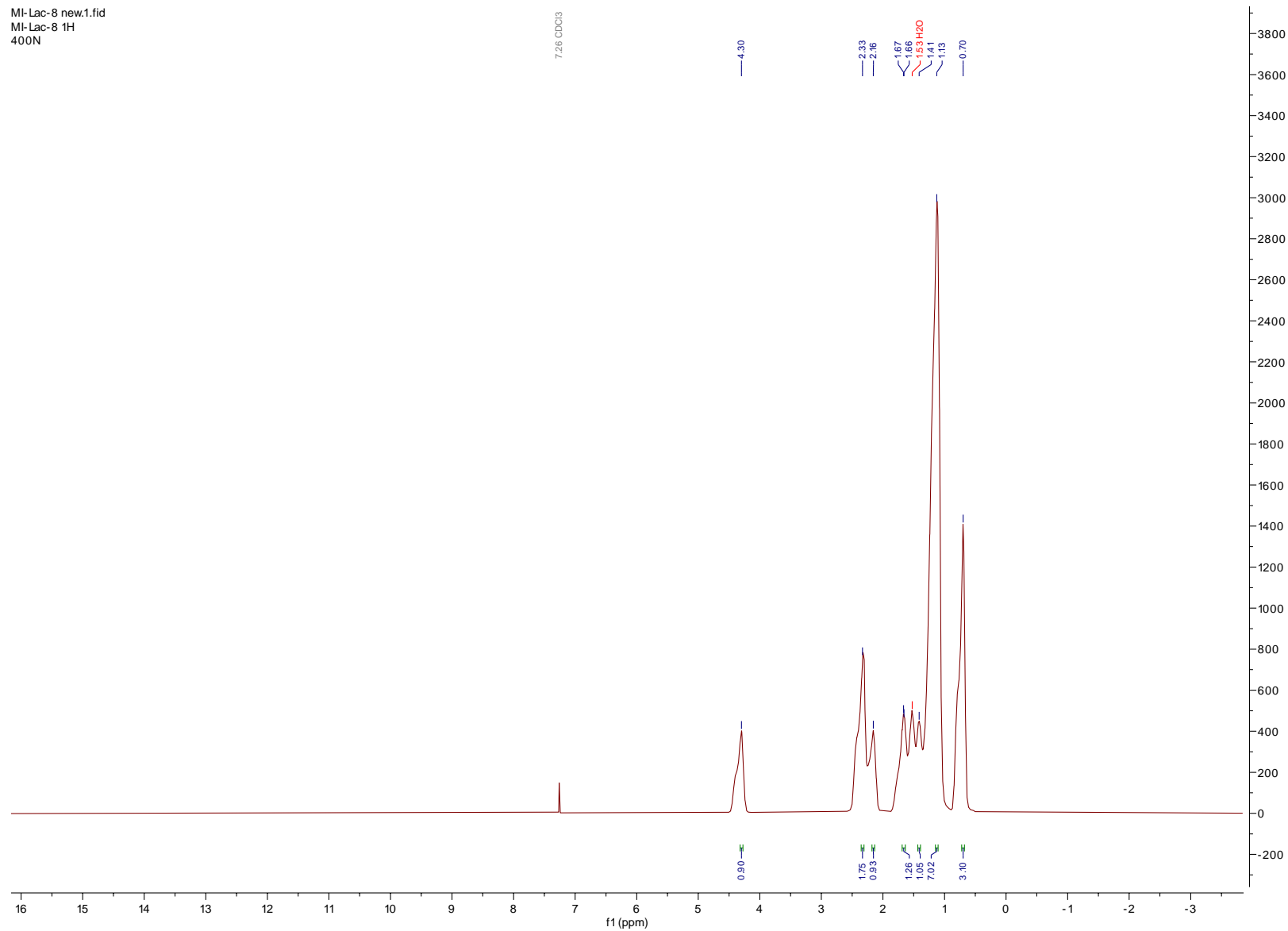


**SI 25:**  $^{13}\text{C}$  NMR spectrum of **8** [100 MHz,  $\text{CDCl}_3$ ]



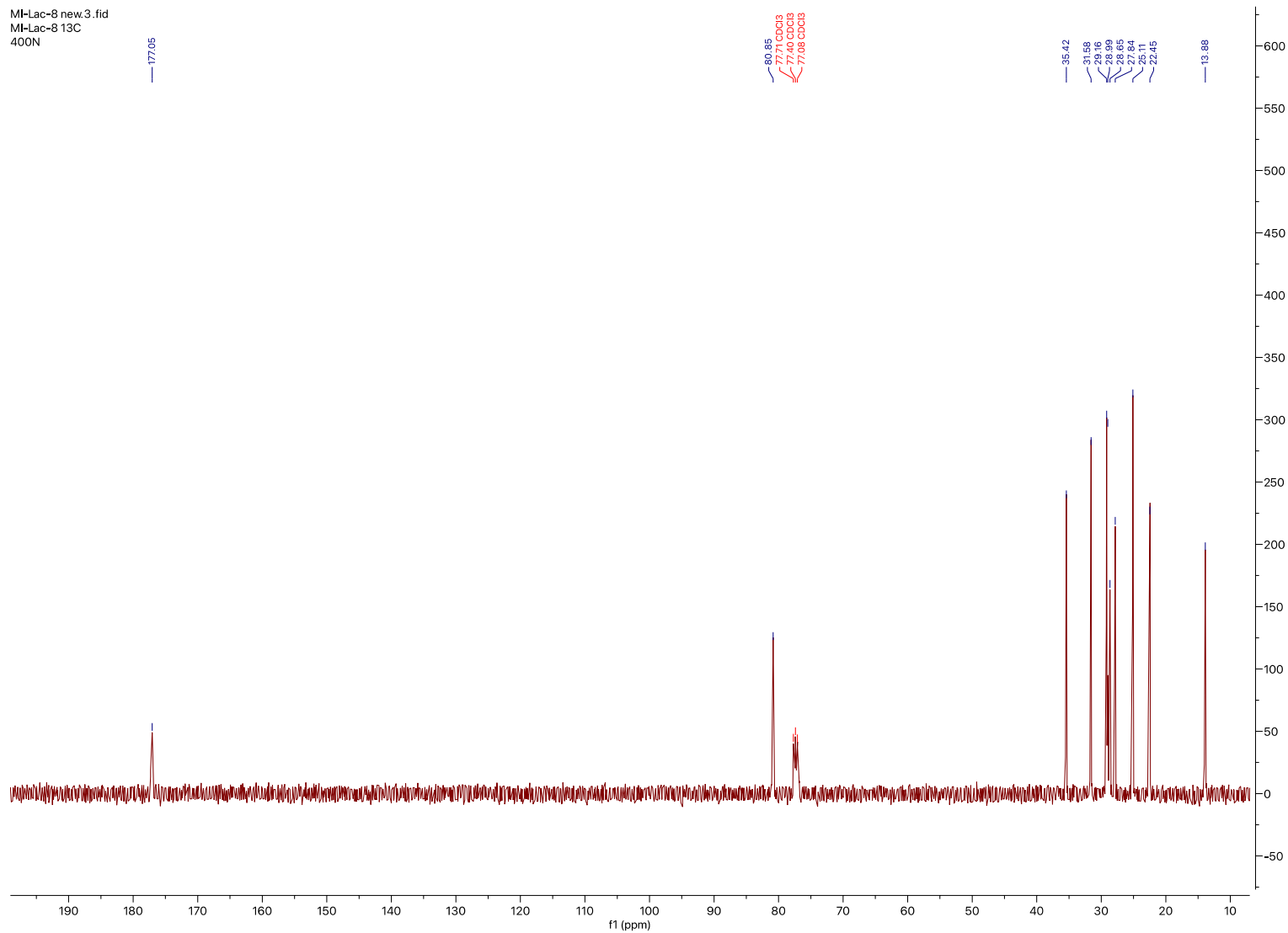
**SI 26:** Dept-135 NMR spectrum of **8** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-8 new.1.fid  
MI-Lac-8 1H  
400N



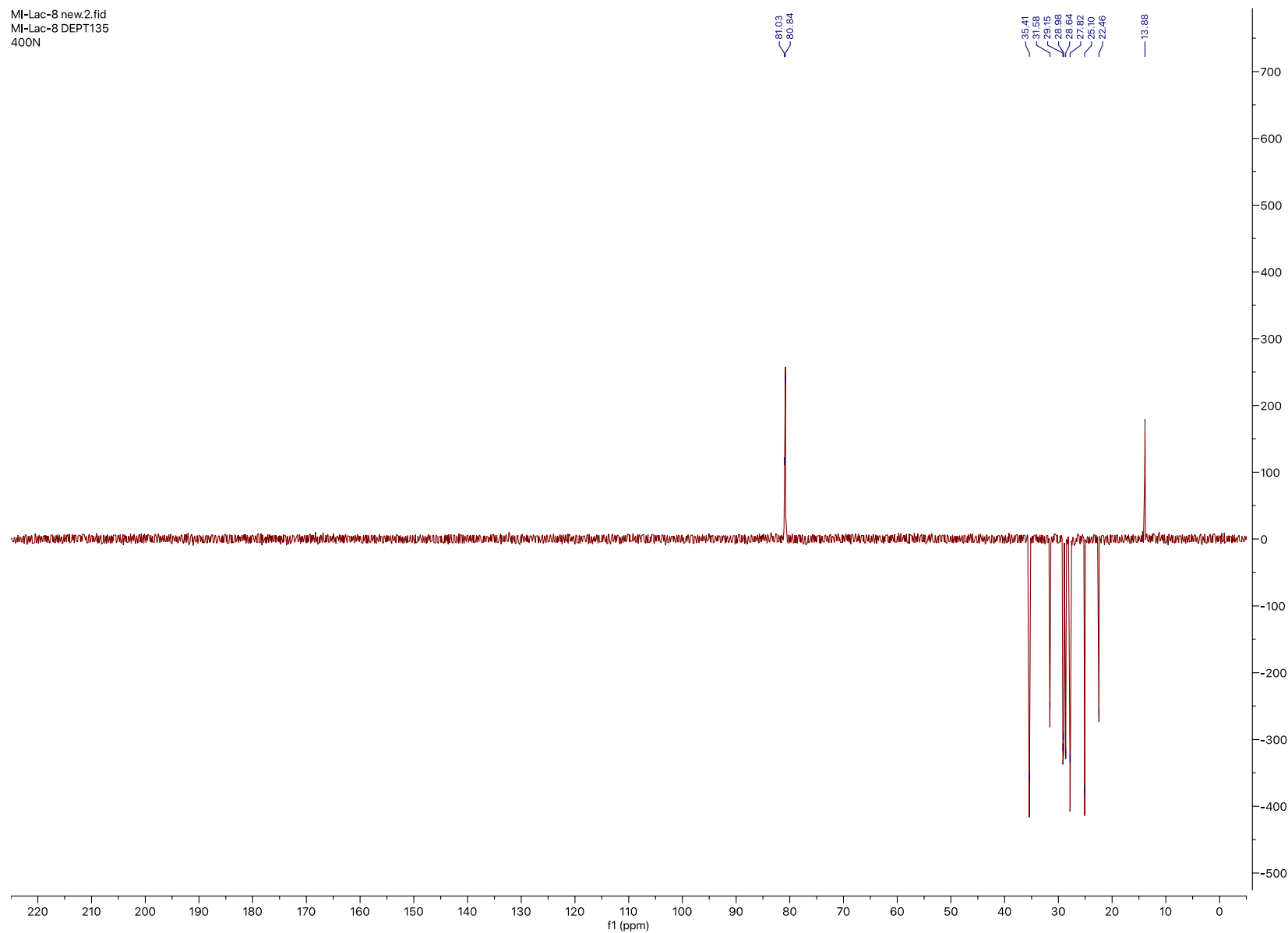
SI 24: <sup>1</sup>H NMR spectrum of **9** [400 MHz, CDCl<sub>3</sub>]

MI-Lac-8 new 3.fid  
MI-Lac-8 13C  
400N



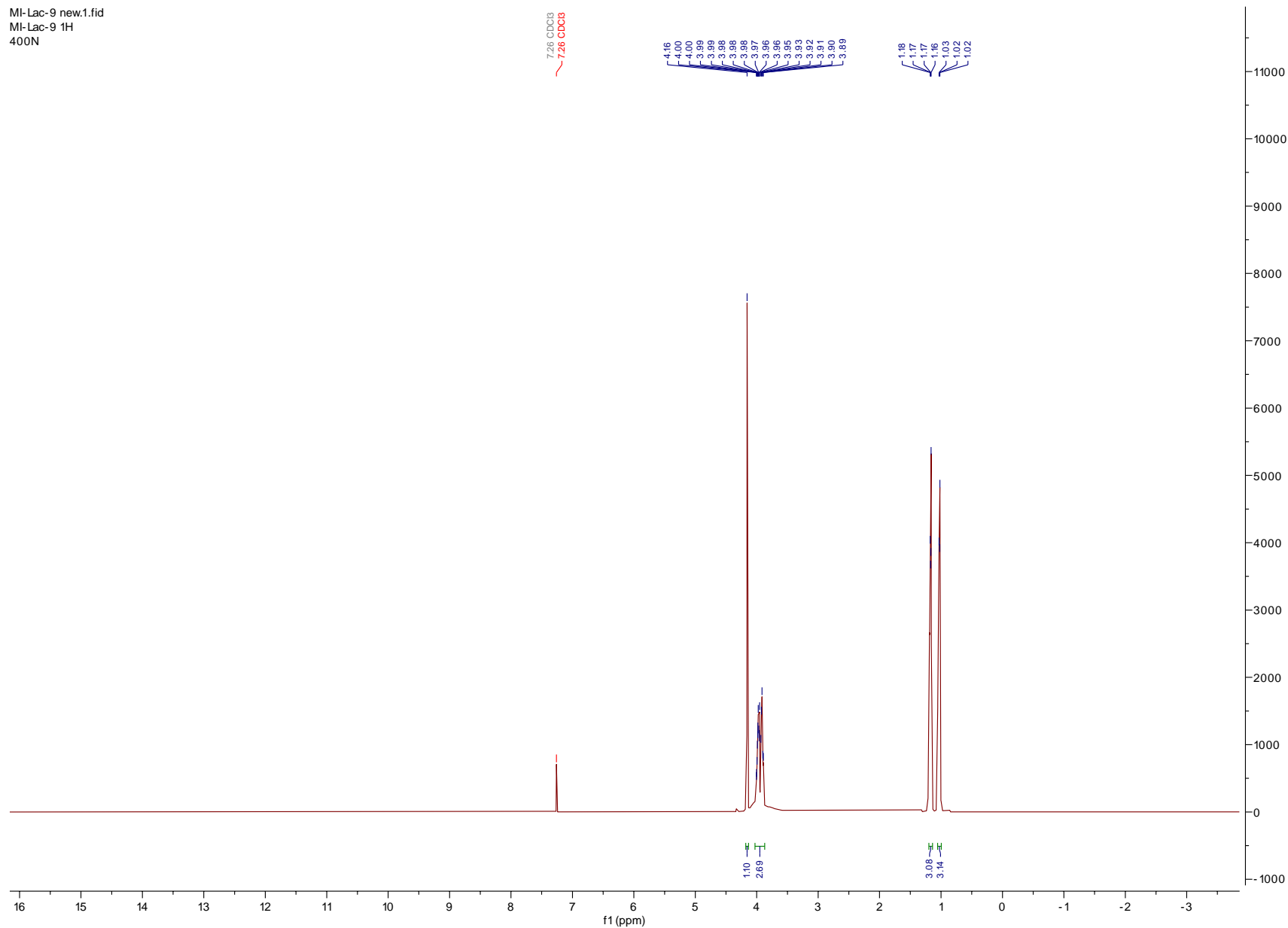
**SI 25:**  $^{13}\text{C}$  NMR spectrum of **9** [100 MHz,  $\text{CDCl}_3$ ]

MI-Lac-8 new.2.fid  
MI-Lac-8 DEPT135  
400N



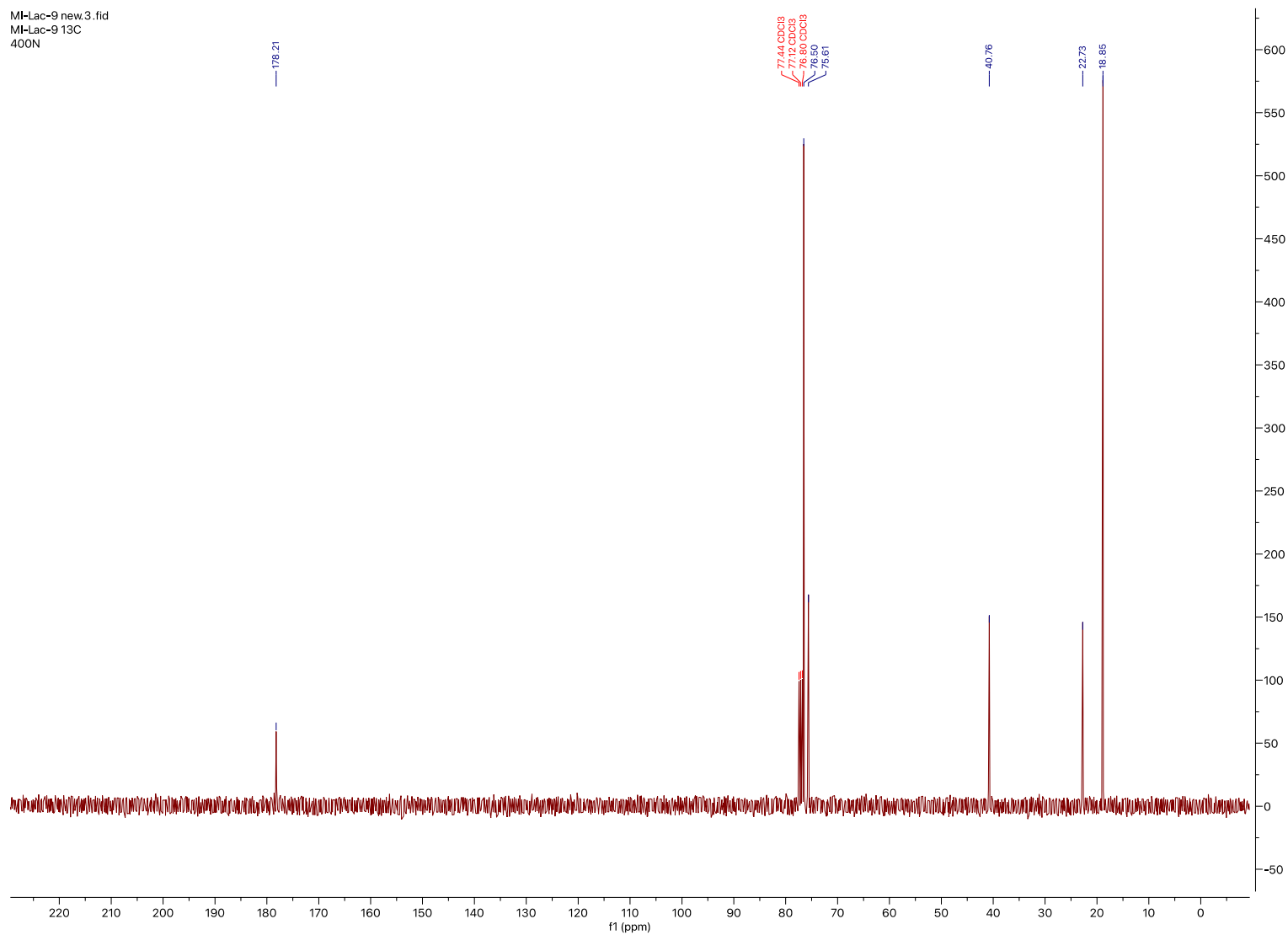
**SI 26:** Dept-135 NMR spectrum of **9** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-9 new.1.fid  
MI-Lac-9 1H  
400N



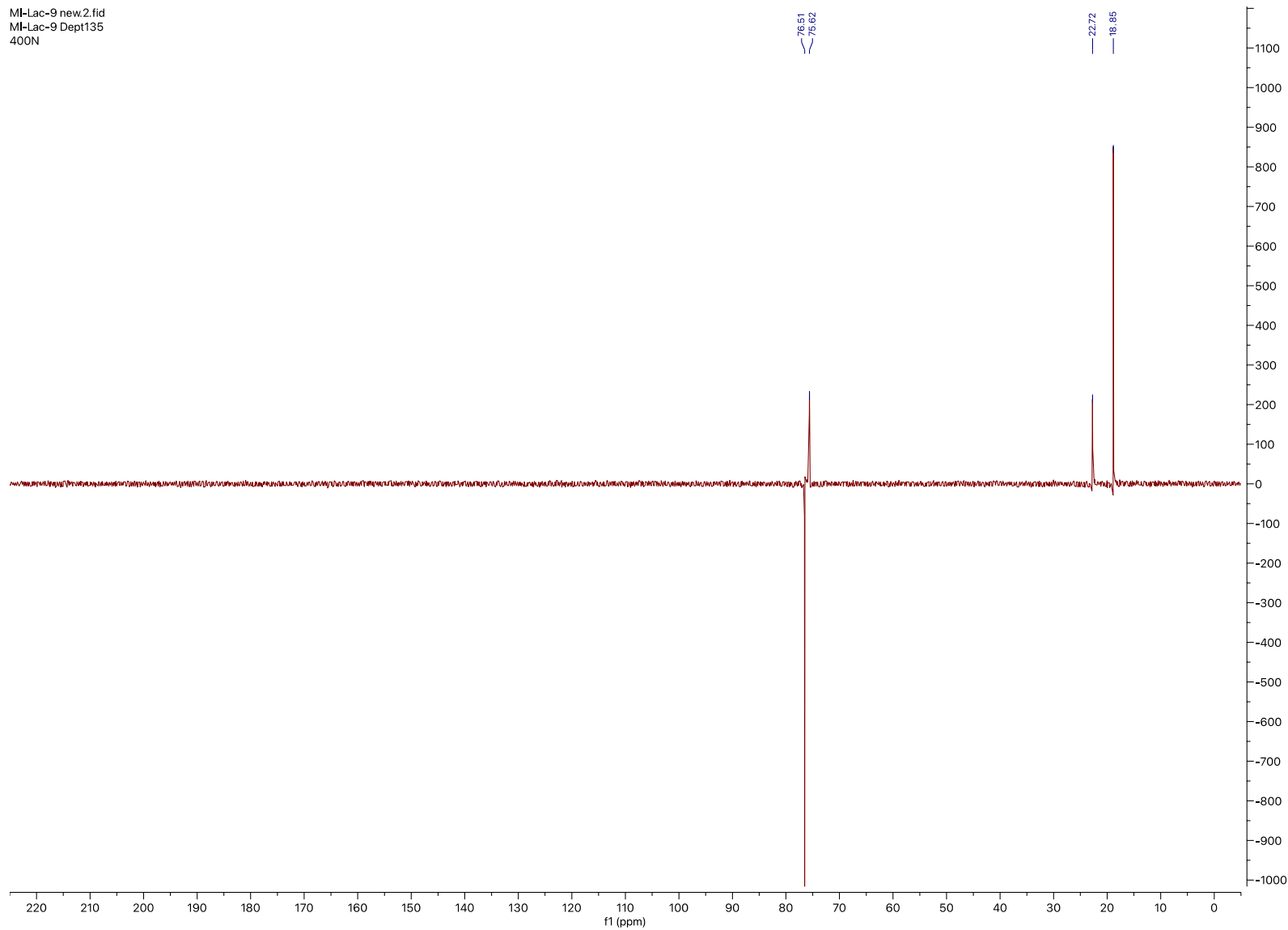
**SI 24:** <sup>1</sup>H NMR spectrum of **10** [400 MHz, CDCl<sub>3</sub>]

MI-Lac-9 new 3.fid  
MI-Lac-9 13C  
400N



**SI 25:** <sup>13</sup>C NMR spectrum of **10** [100 MHz, CDCl<sub>3</sub>]

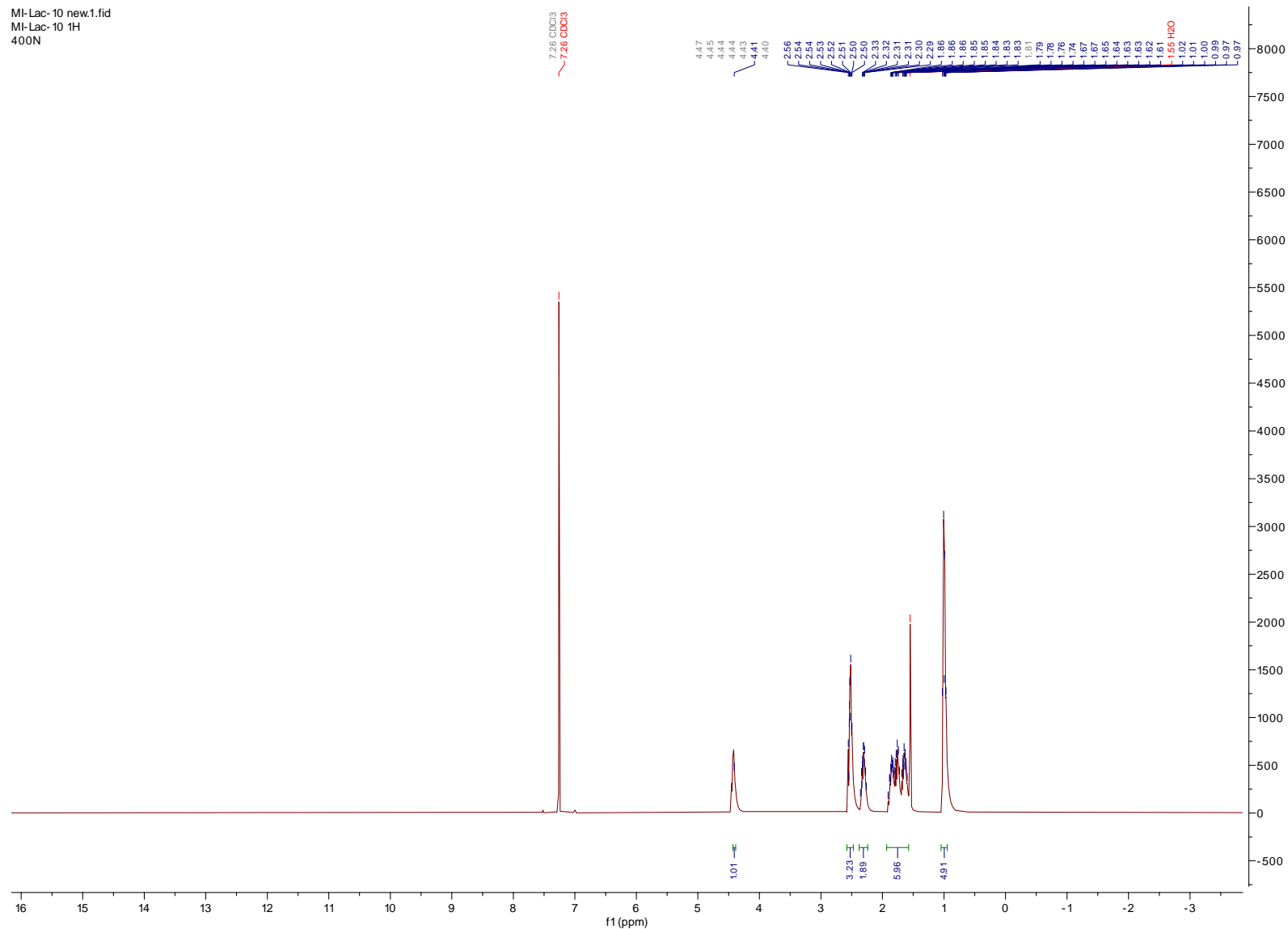
MI-Lac-9 new2.fid  
MI-Lac-9 Dept135  
400N



**SI 26:** Dept-135 NMR spectrum of **10** [400 MHz,  $CDCl_3$ ]

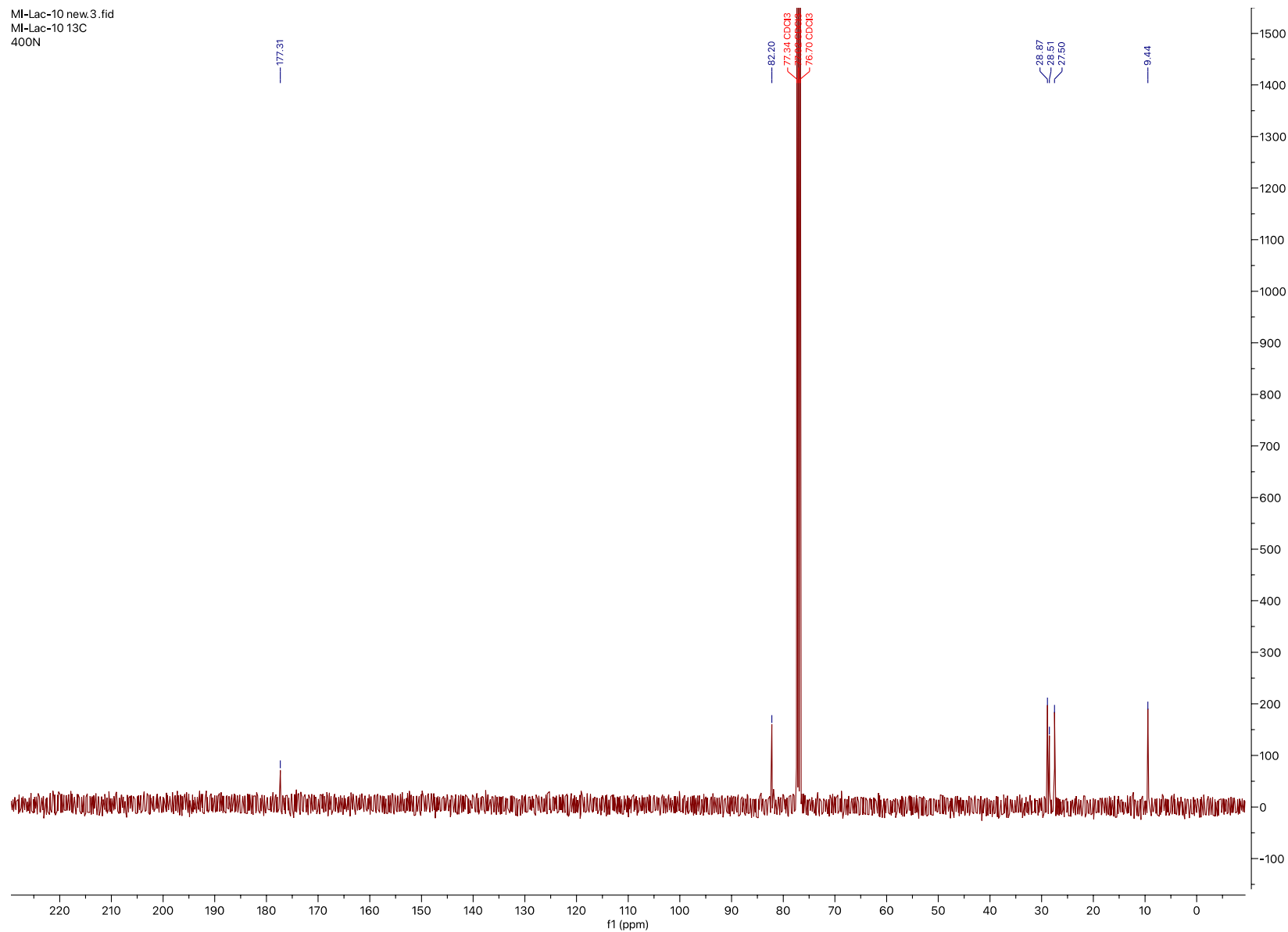


MI-Lac-10 new.1.fid  
MI-Lac-10 1H  
400N



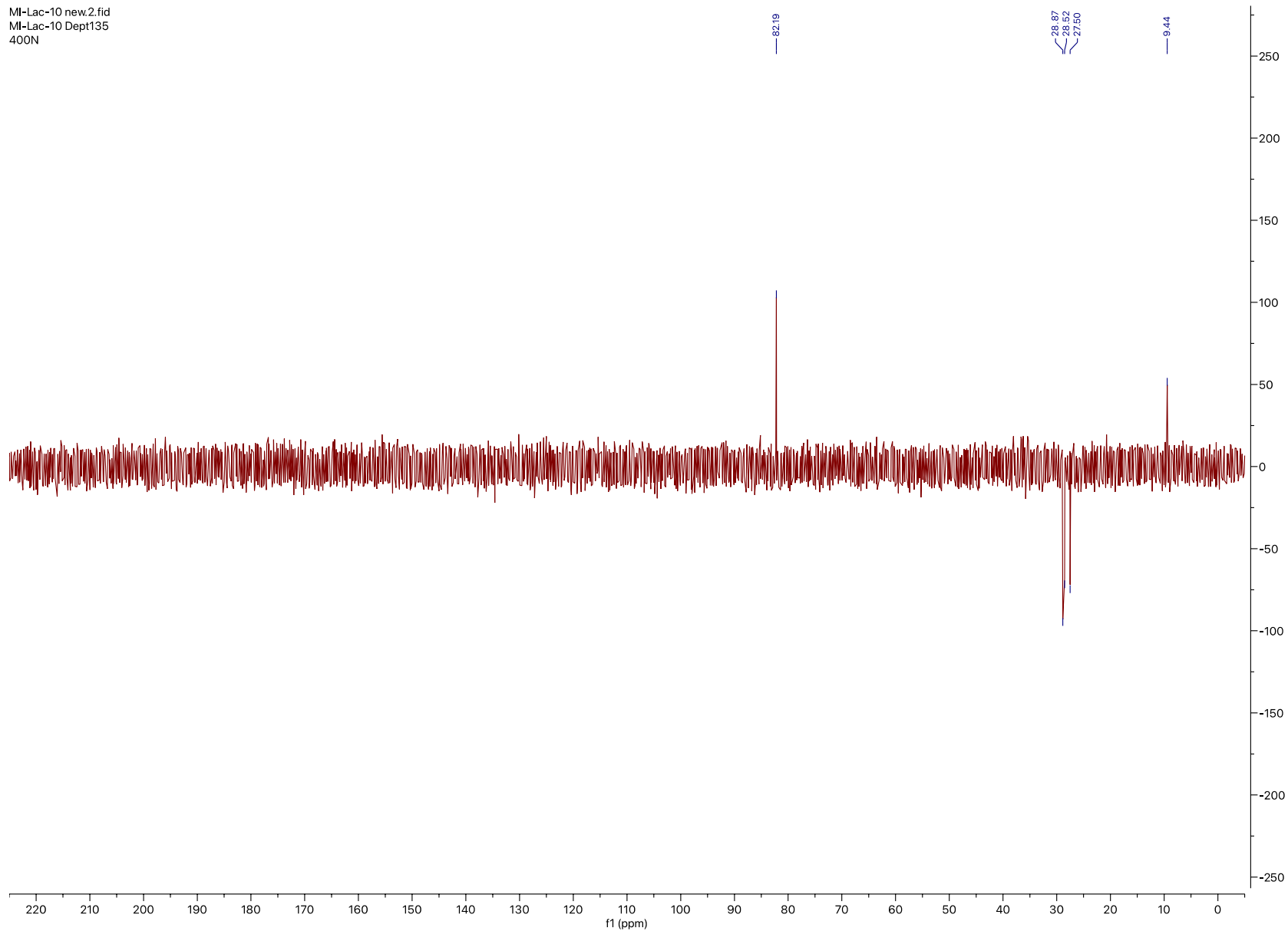
SI 24:  $^1\text{H}$  NMR spectrum of **11** [400 MHz,  $\text{CDCl}_3$ ]

MI-Lac-10 new.3.fid  
MI-Lac-10 13C  
400N



**SI 25:**  $^{13}\text{C}$  NMR spectrum of **11** [100 MHz,  $\text{CDCl}_3$ ]

MI-Lac-10 new.2.fid  
MI-Lac-10 Dept135  
400N



**SI 26:** Dept-135 NMR spectrum of **11** [400 MHz,  $\text{CDCl}_3$ ]