

## Supporting Information

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### Antioxidative and Antitumor Effects of Isoflavones Isolated From the Leaves of *Maackia fauriei*.

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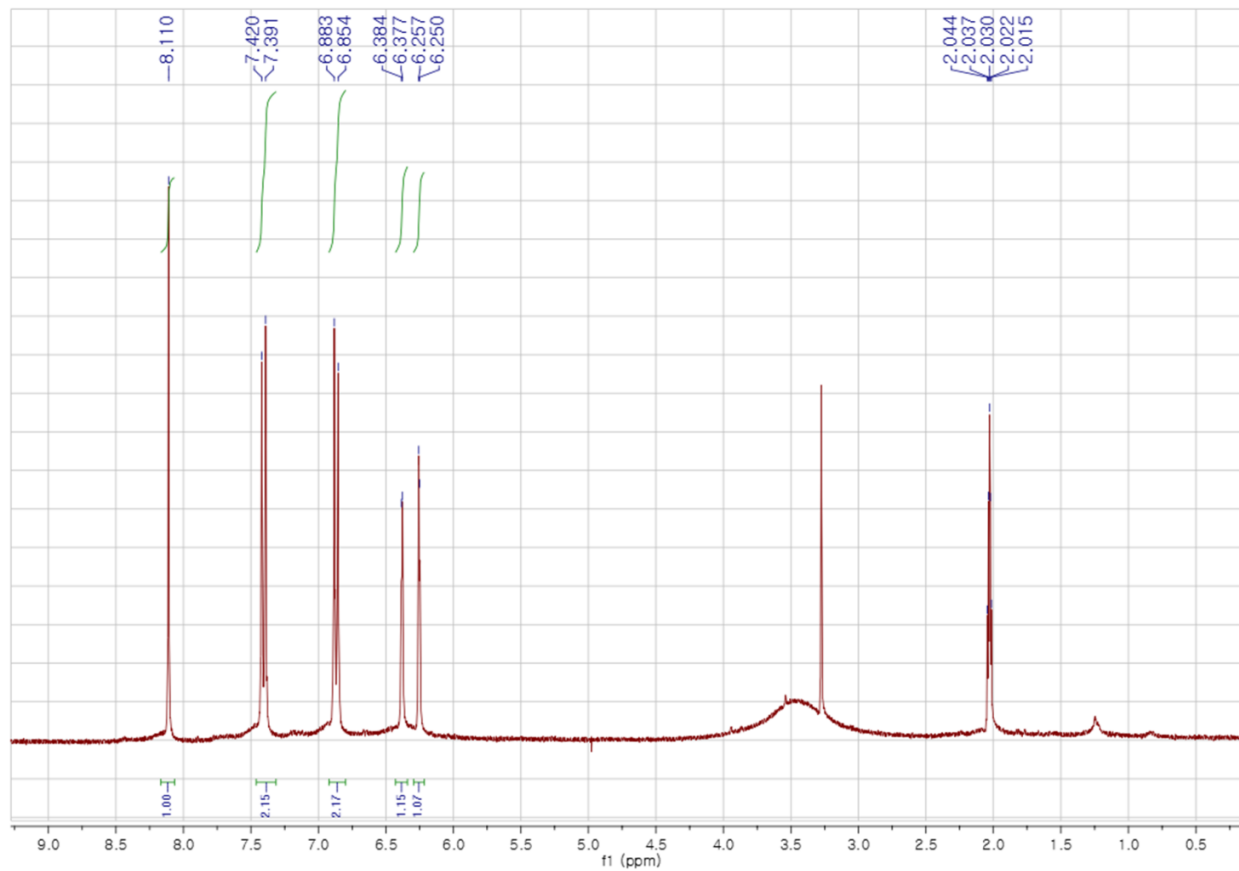
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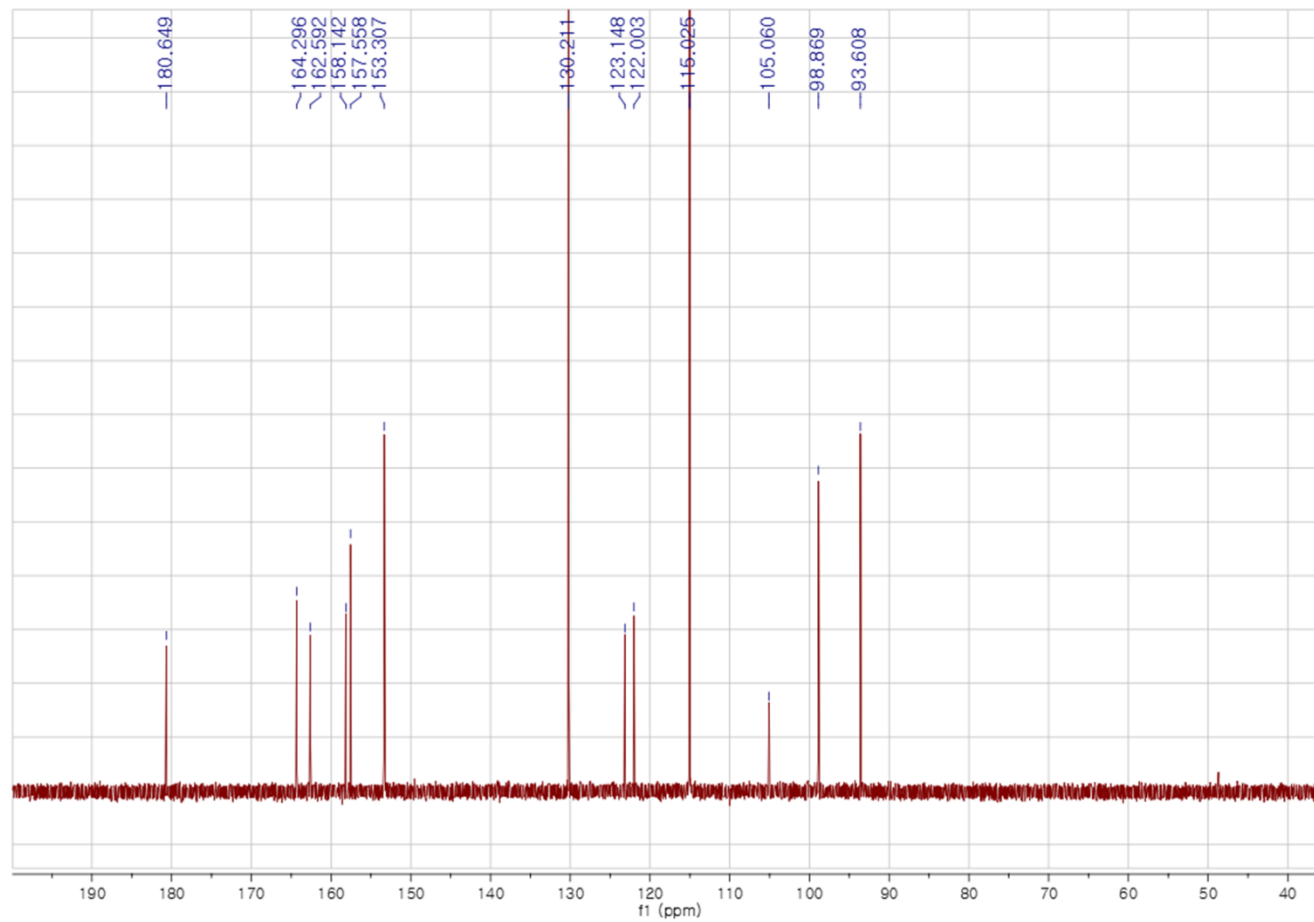
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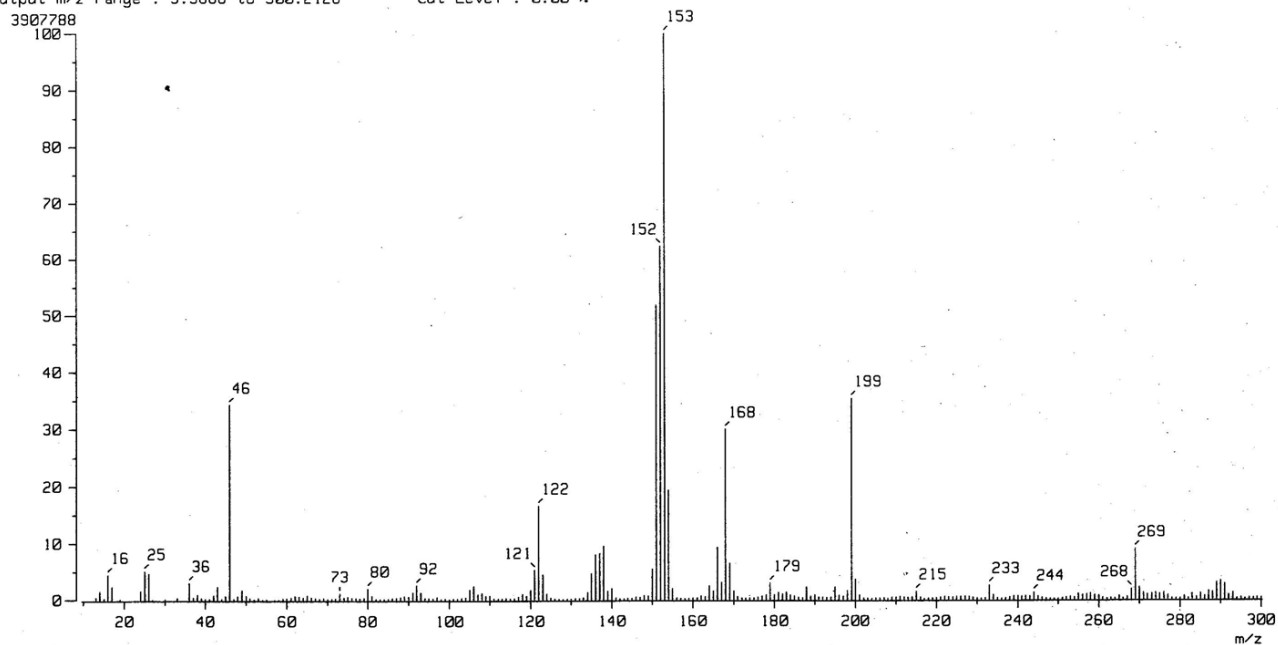


S1.  $^1\text{H}$ -NMR spectrum of **1** (300 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )



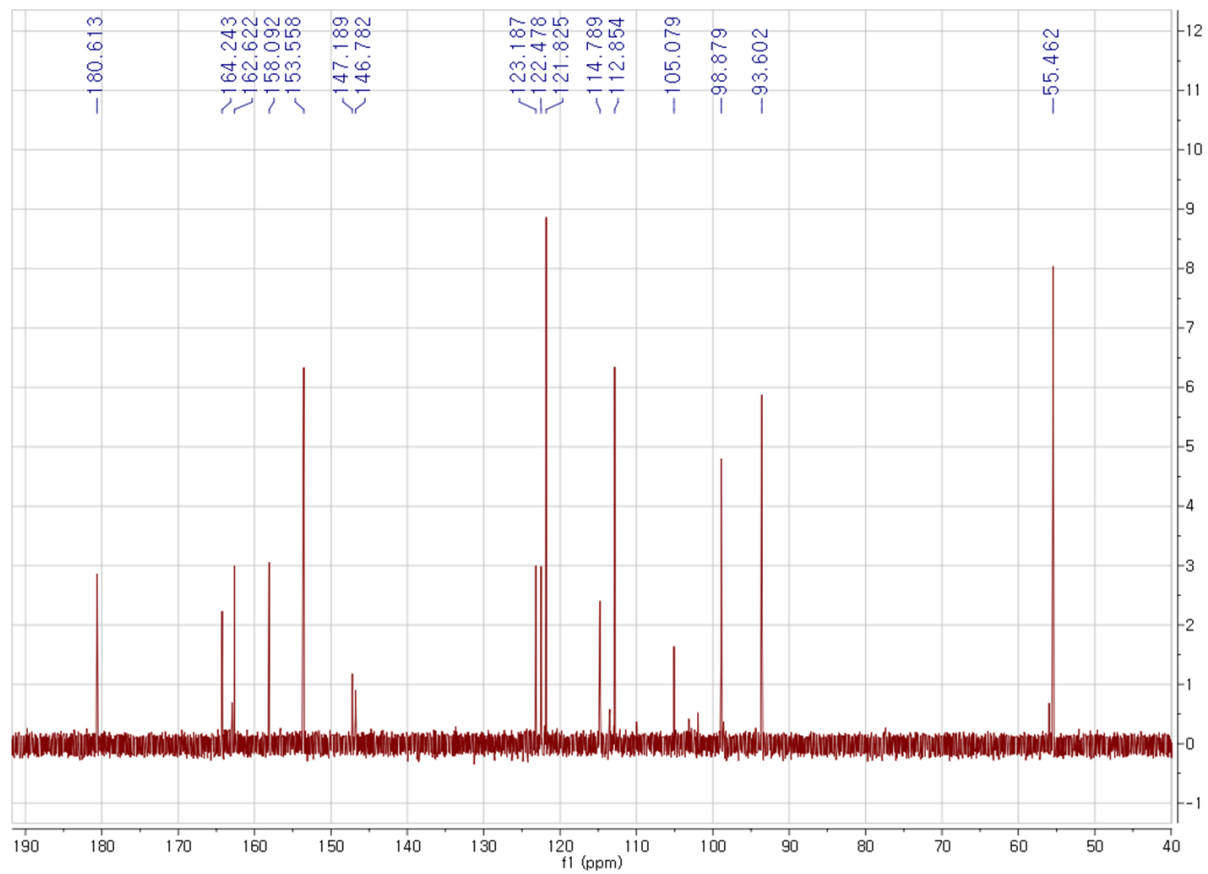
**S2:**  $^{13}\text{C}$ -NMR spectrum of **1** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

[ Mass Spectrum ]  
Data : FAB-H092 Date : 13-Dec-2013 15:46  
Sample: MF-1  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 1.67 min Scan# : (10,13)  
BP : m/z 153.0000 Int. : 372.68  
Output m/z range : 9.5688 to 300.2126 Cut Level : 0.00 %

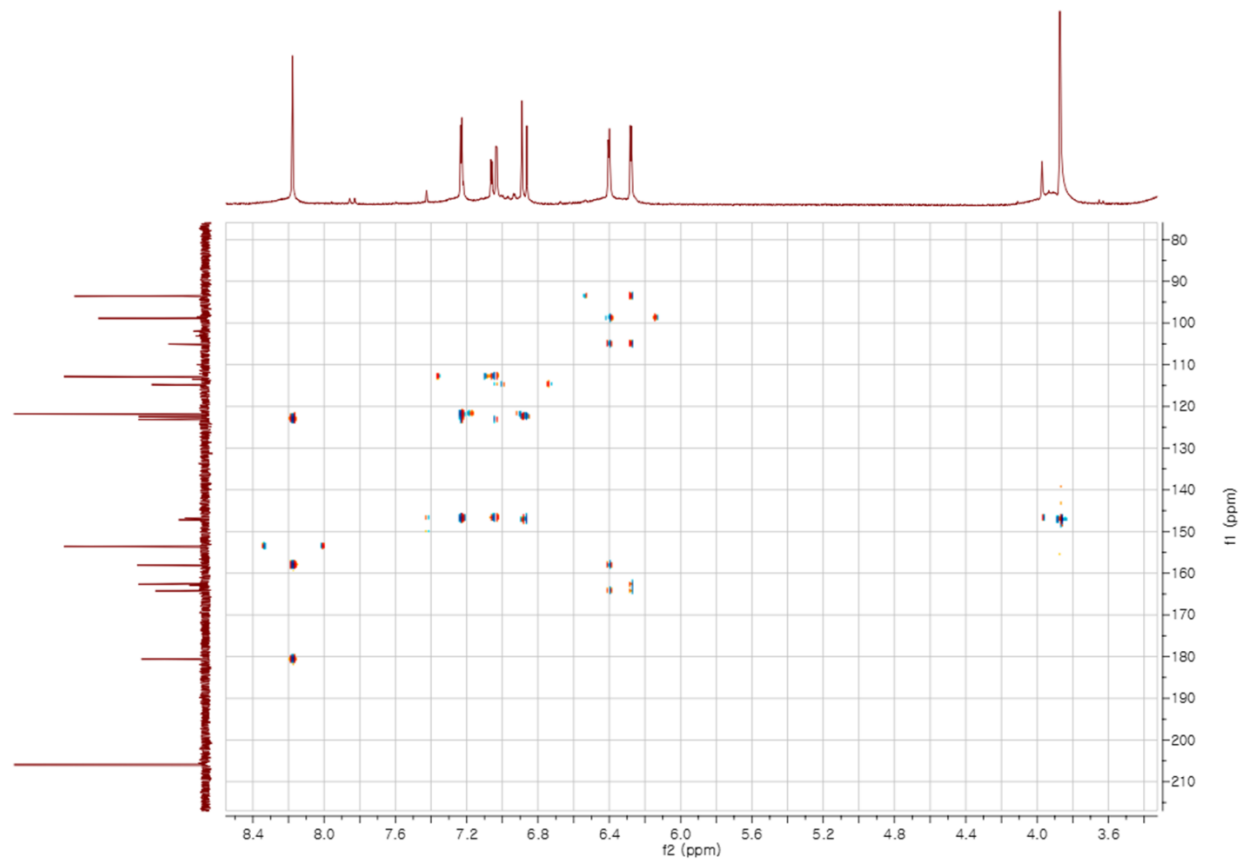


**S3: FAB-MS spectrum of 1**

**S4:**  $^1\text{H}$ -NMR spectrum of **2** (300 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )



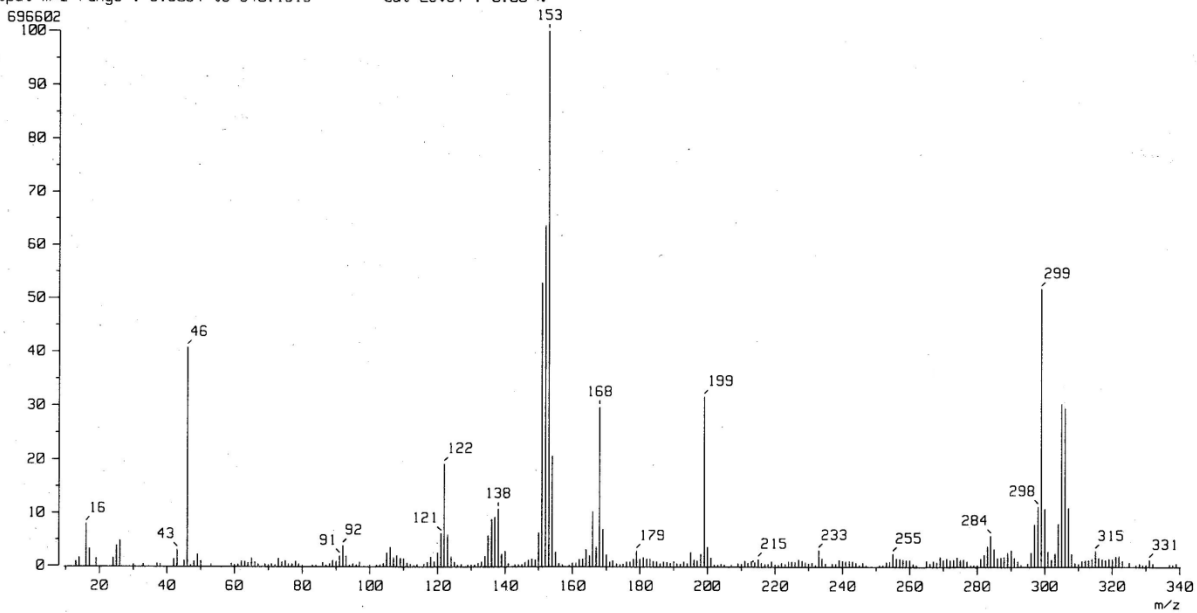
**S5:**  $^{13}\text{C}$ -NMR spectrum of **2** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )



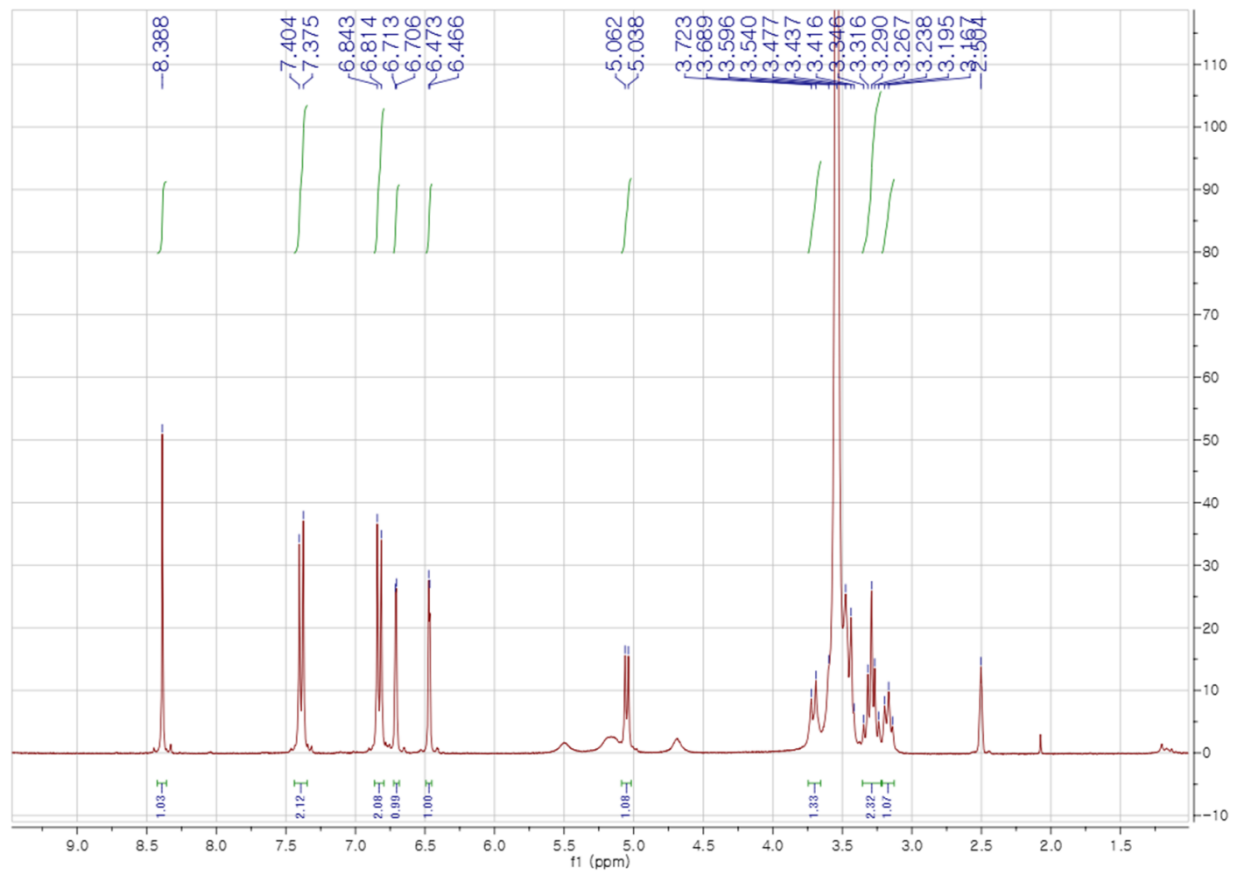
**S6:** HMBC spectrum of **2** (150 MHz, Acetone-d<sub>6</sub> + D<sub>2</sub>O)



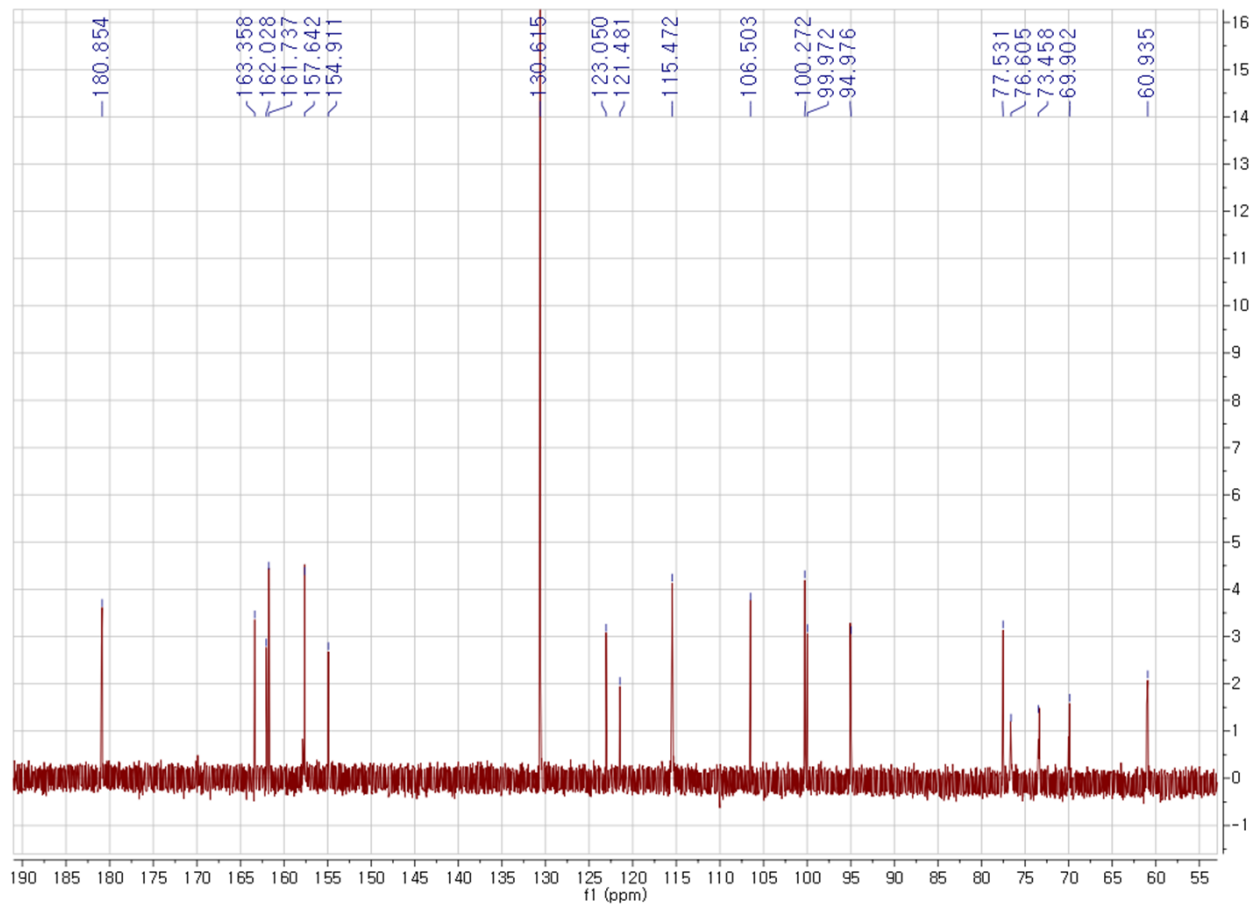
[ Mass Spectrum ]  
Data : FAB-H003 Date : 13-Dec-2013 15:24  
Sample: MF-2  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.17 min Scan# : (1,4)  
BP : m/z 153.0000 Int. : 66.43  
Output m/z range : 9.5094 to 340.1919 Cut Level : 0.00 %



**S7:** FAB-MS spectrum of **2**

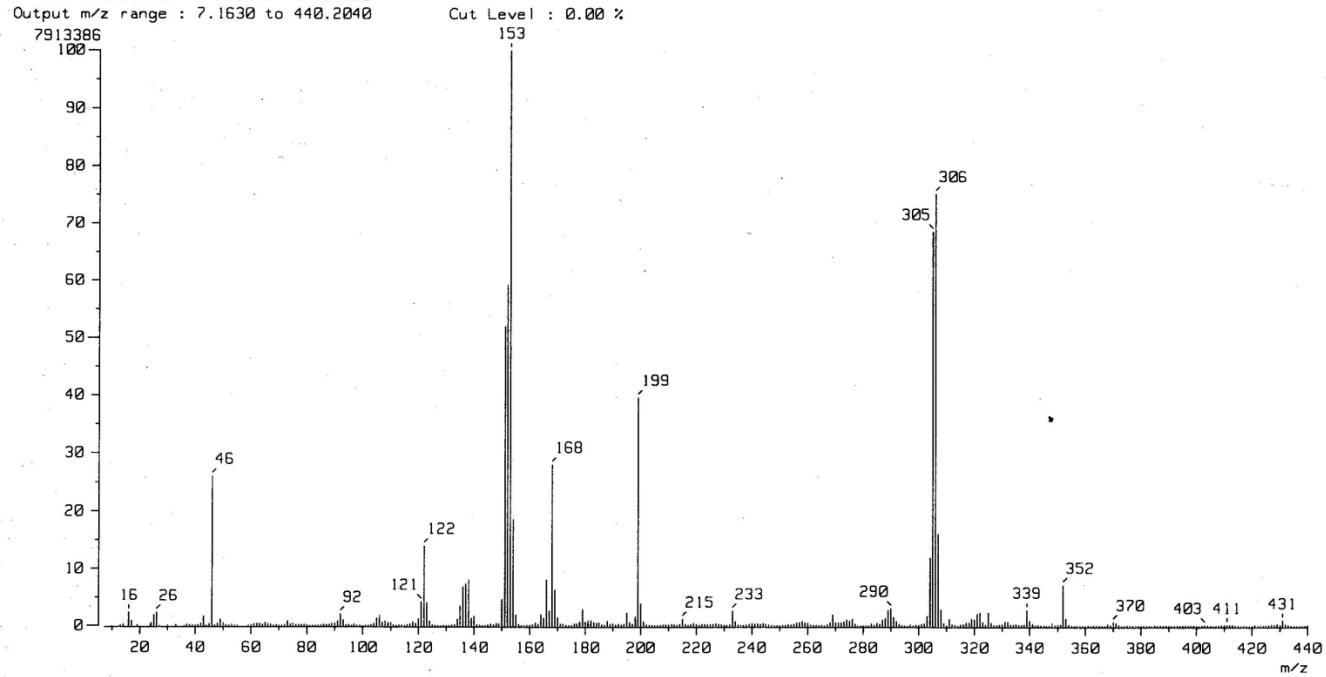


**S8:**  $^1\text{H-NMR}$  spectrum of **3** (300 MHz,  $\text{DMSO-d}_6 + \text{D}_2\text{O}$ )

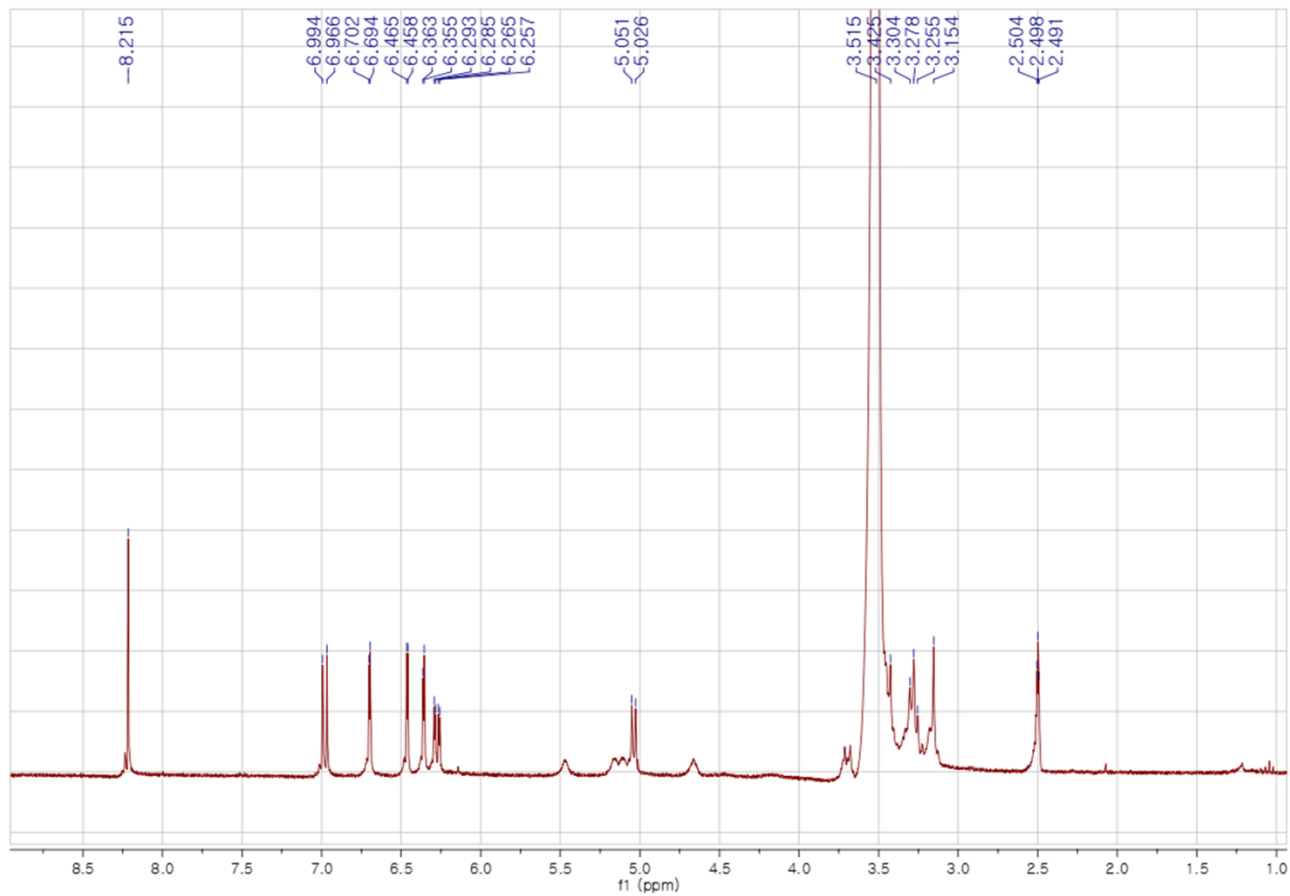


**S9:**  $^{13}\text{C}$ -NMR spectrum of **3** (150 MHz, DMSO- $d_6$  +  $\text{D}_2\text{O}$ )

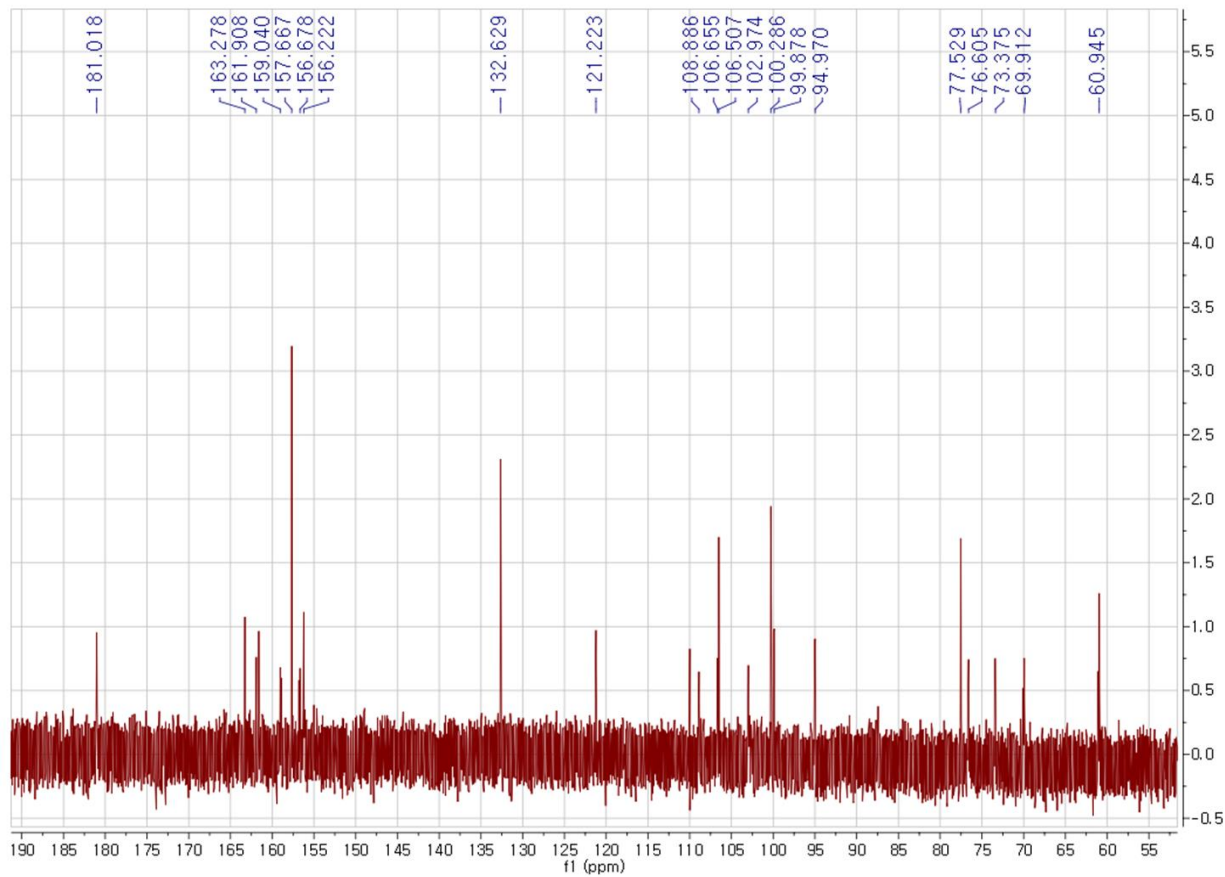
[ Mass Spectrum ]  
Data : FAB-H086 Date : 13-Dec-2013 15:31  
Sample: MF-3  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.17 min Scan# : (1,3)  
BP : m/z 153.0000 Int. : 754.68  
Output m/z range : 7.1630 to 440.2040



**S10: FAB-MS spectrum of 3**

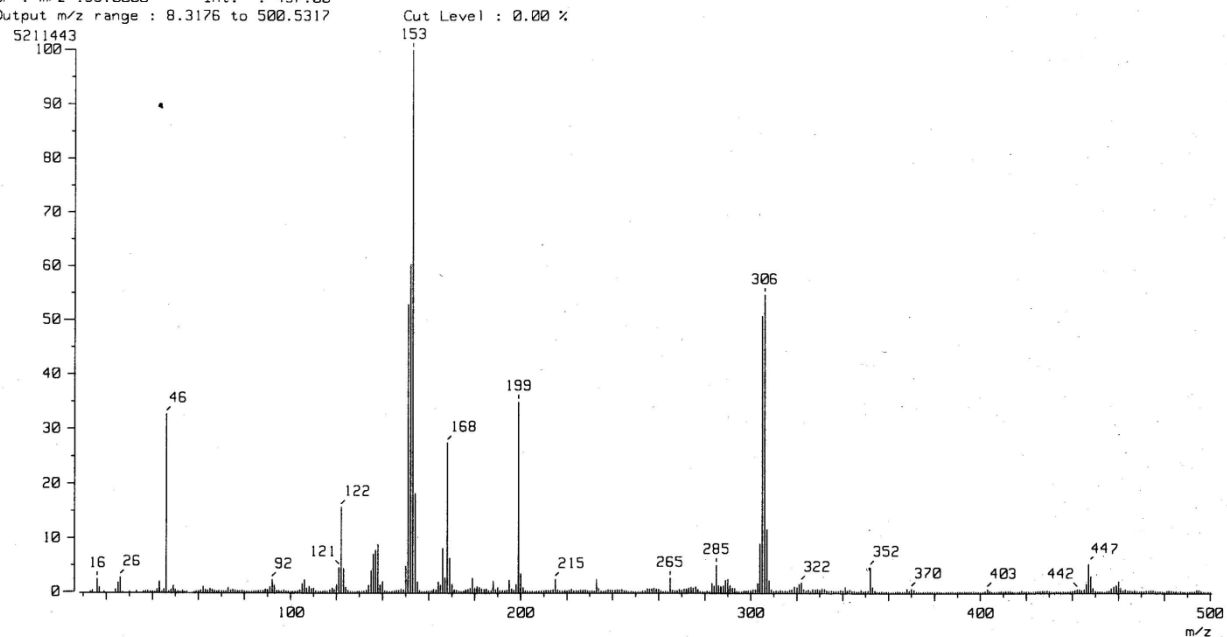


**S11:**  $^1\text{H}$ -NMR spectrum of **4** (300 MHz,  $\text{DMSO-d}_6 + \text{D}_2\text{O}$ )

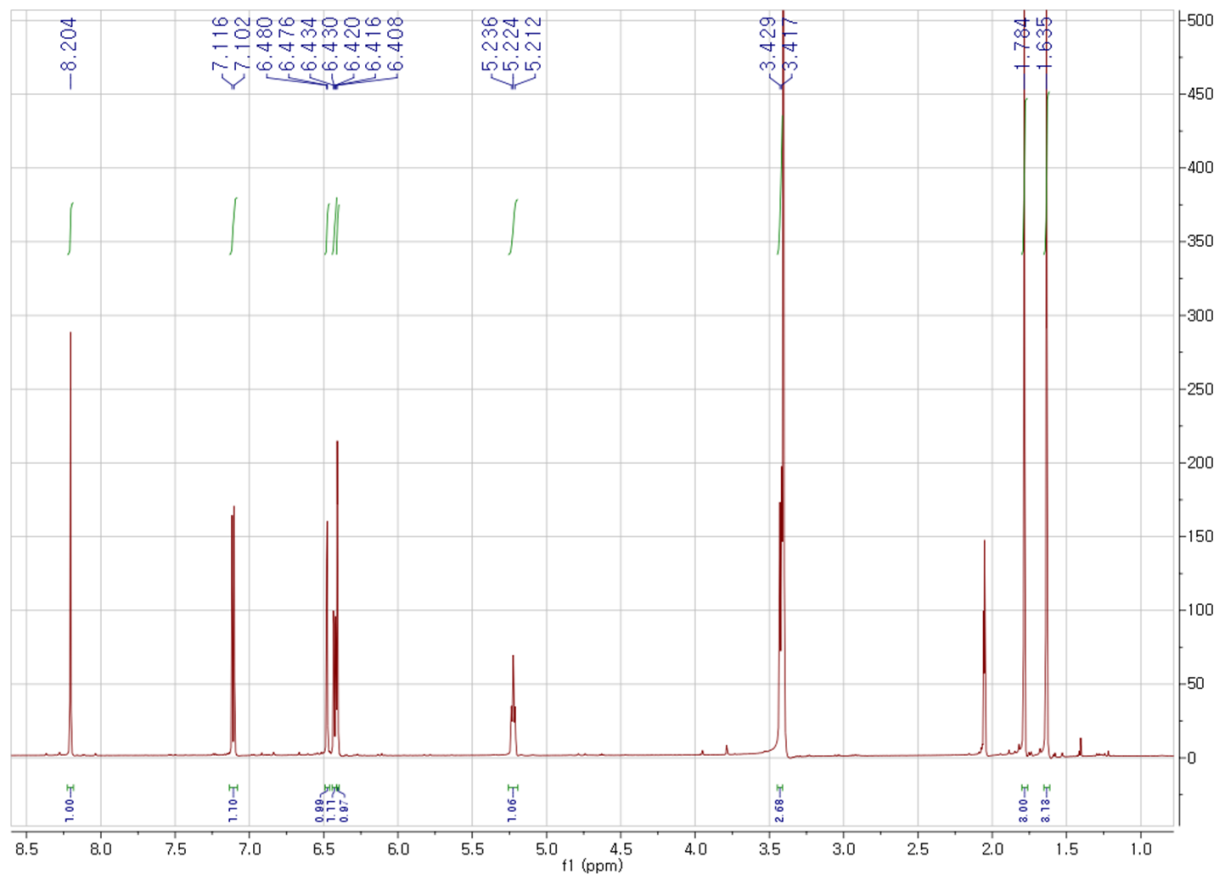


**S12:**  $^{13}\text{C}$ -NMR spectrum of **4** (150 MHz,  $\text{DMSO-d}_6 + \text{D}_2\text{O}$ )

[ Mass Spectrum ]  
Data : FAB-H004 Date : 13-Dec-2013 15:26  
Sample: MF-4  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.34 min Scan# : (1,5)  
BP : m/z 153.0000 Int. : 497.00  
Output m/z range : 8.3176 to 500.5317

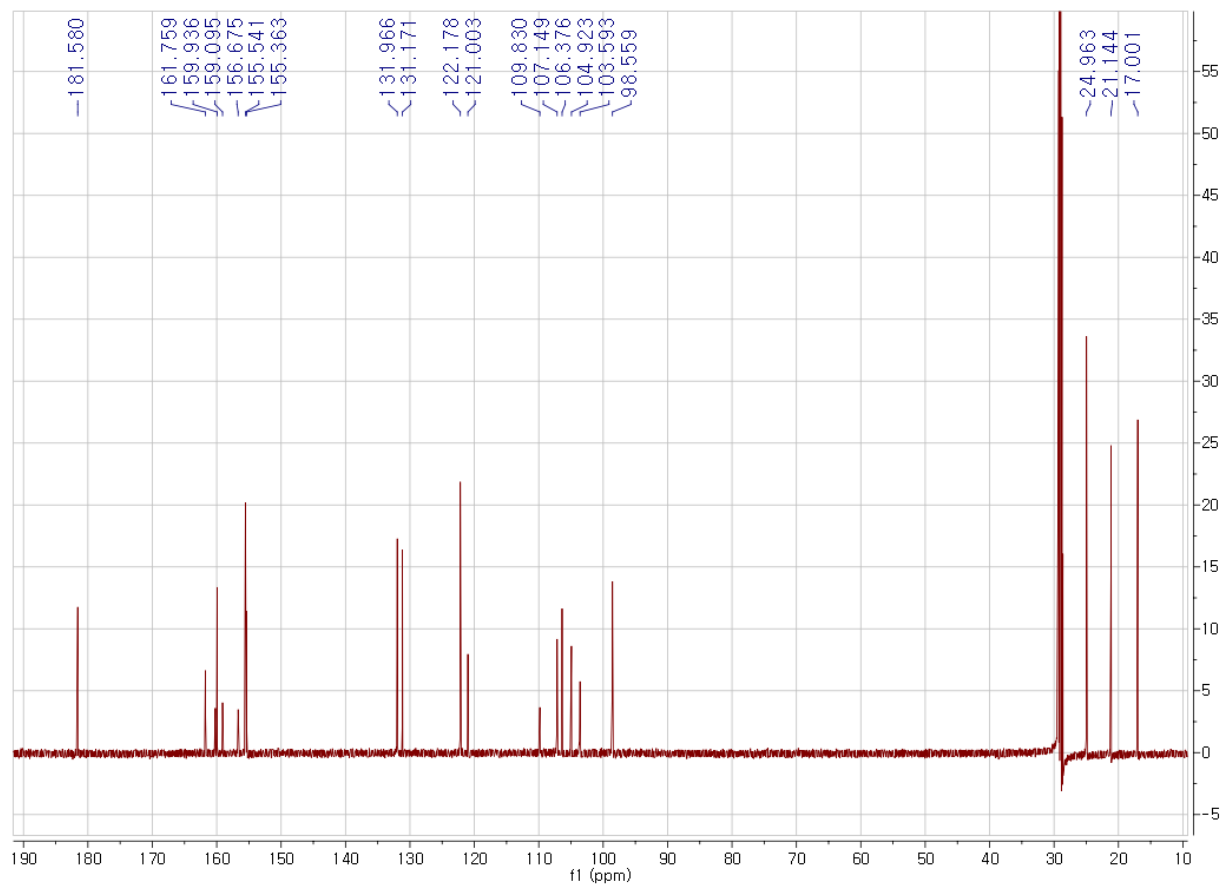


S13: FAB-MS spectrum of 4



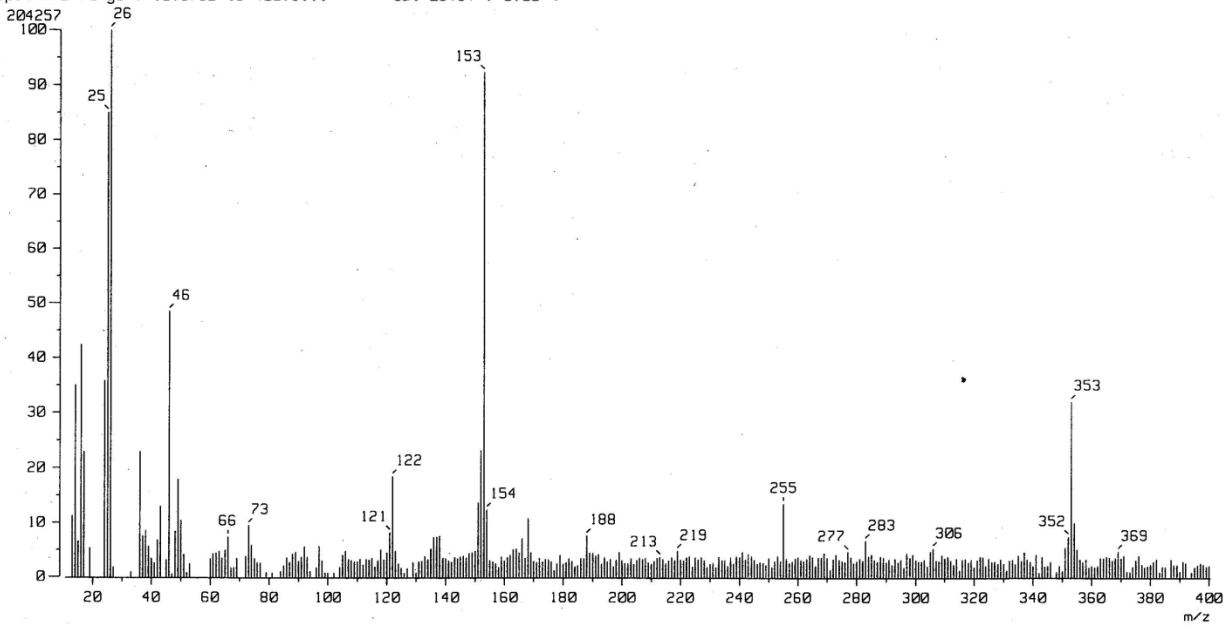
**S14:**  $^1\text{H-NMR}$  spectrum of **5** (600 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )



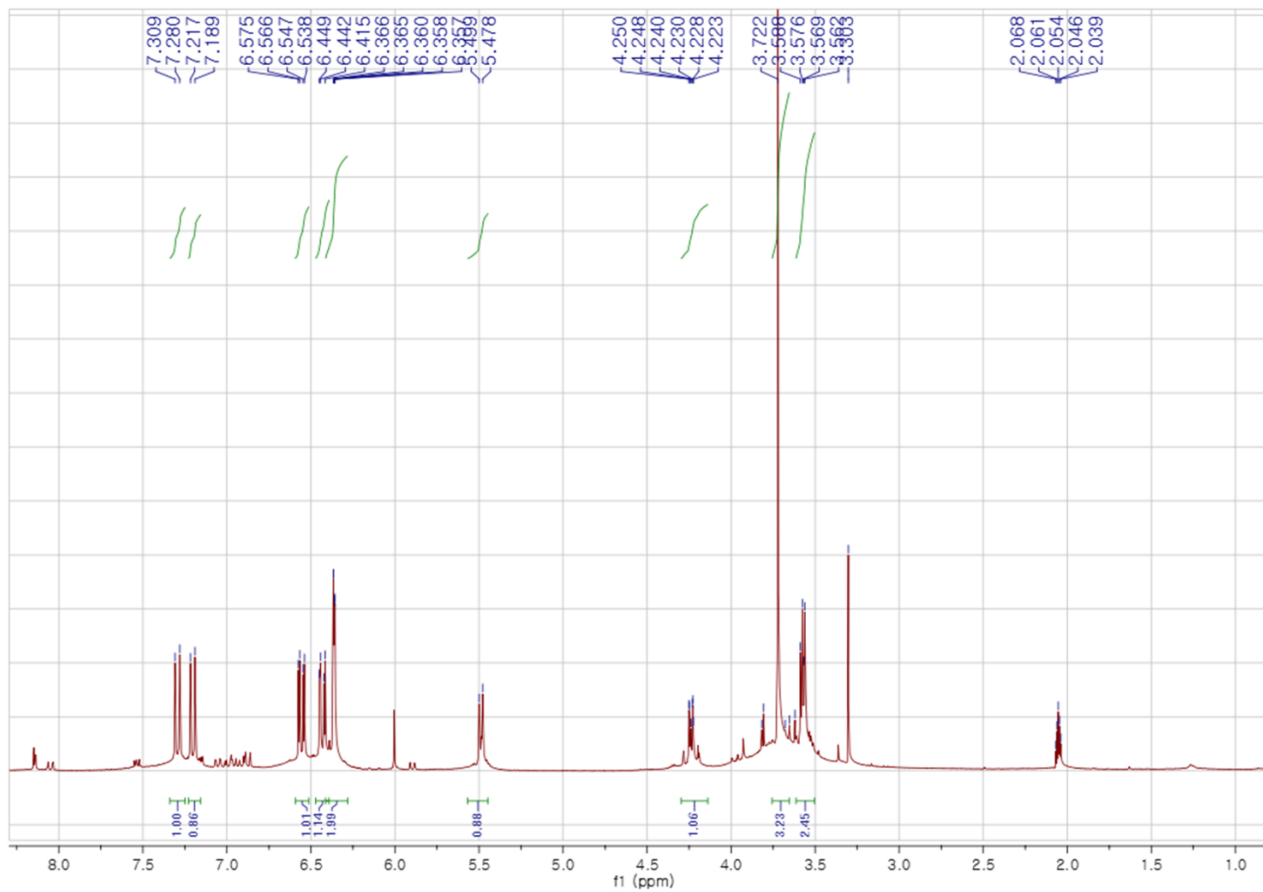


**S15:**  $^{13}\text{C}$ -NMR spectrum of **5** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

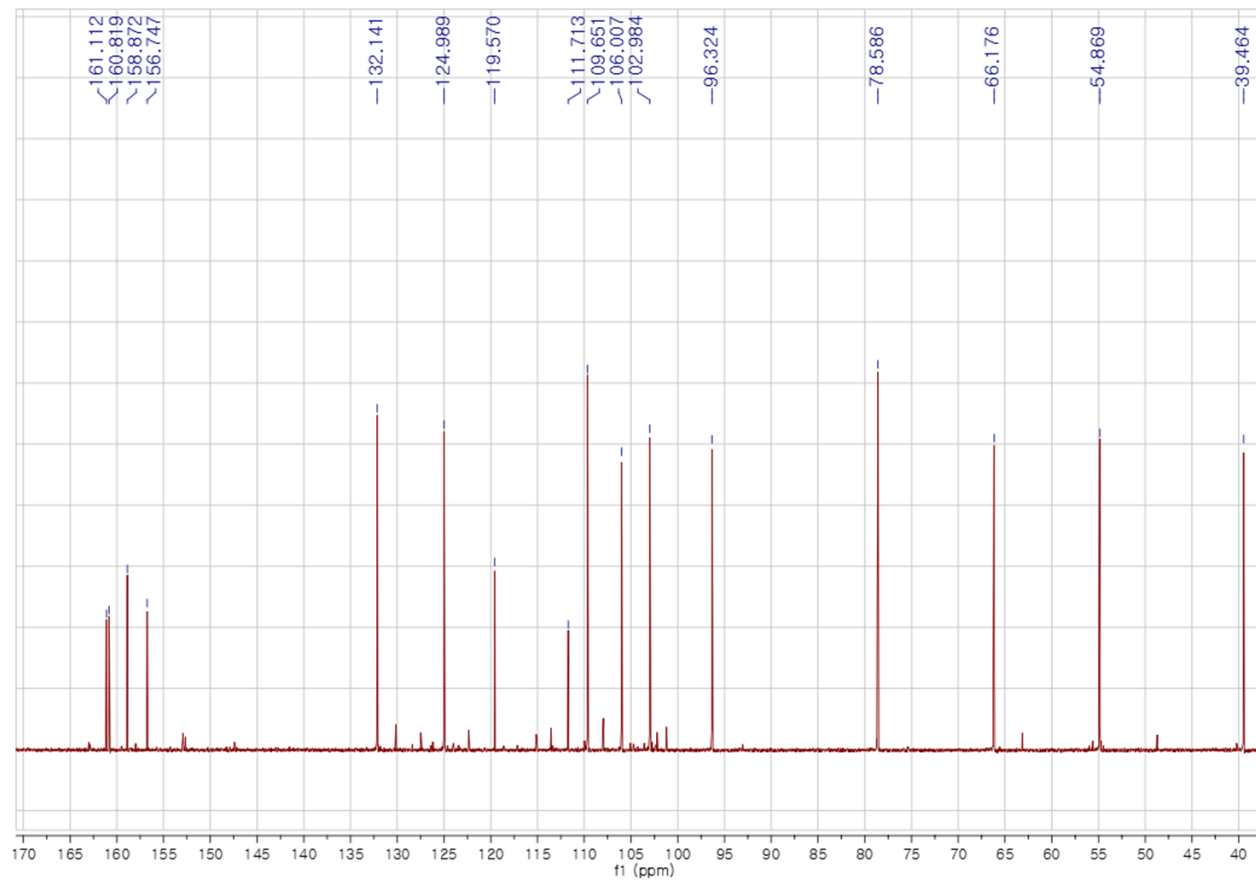
[ Mass Spectrum ]  
Data : FAB-H089 Date : 13-Dec-2013 15:38  
Sample: MF-5  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.67 min Scan# : (4,6)  
BP : m/z 26.0000 Int. : 19.48  
Output m/z range : 10.5782 to 400.3111 Cut Level : 0.00 %



**S16:** FAB-MS spectrum of **5**

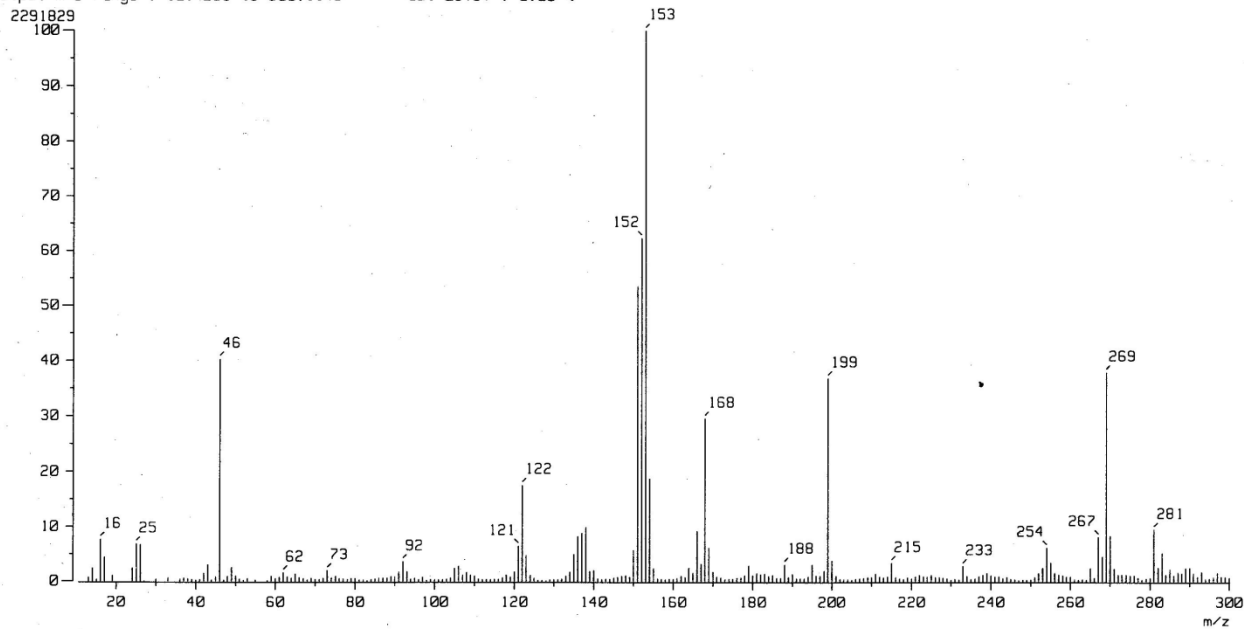


**S17:**  $^1\text{H-NMR}$  spectrum of **6** (300 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

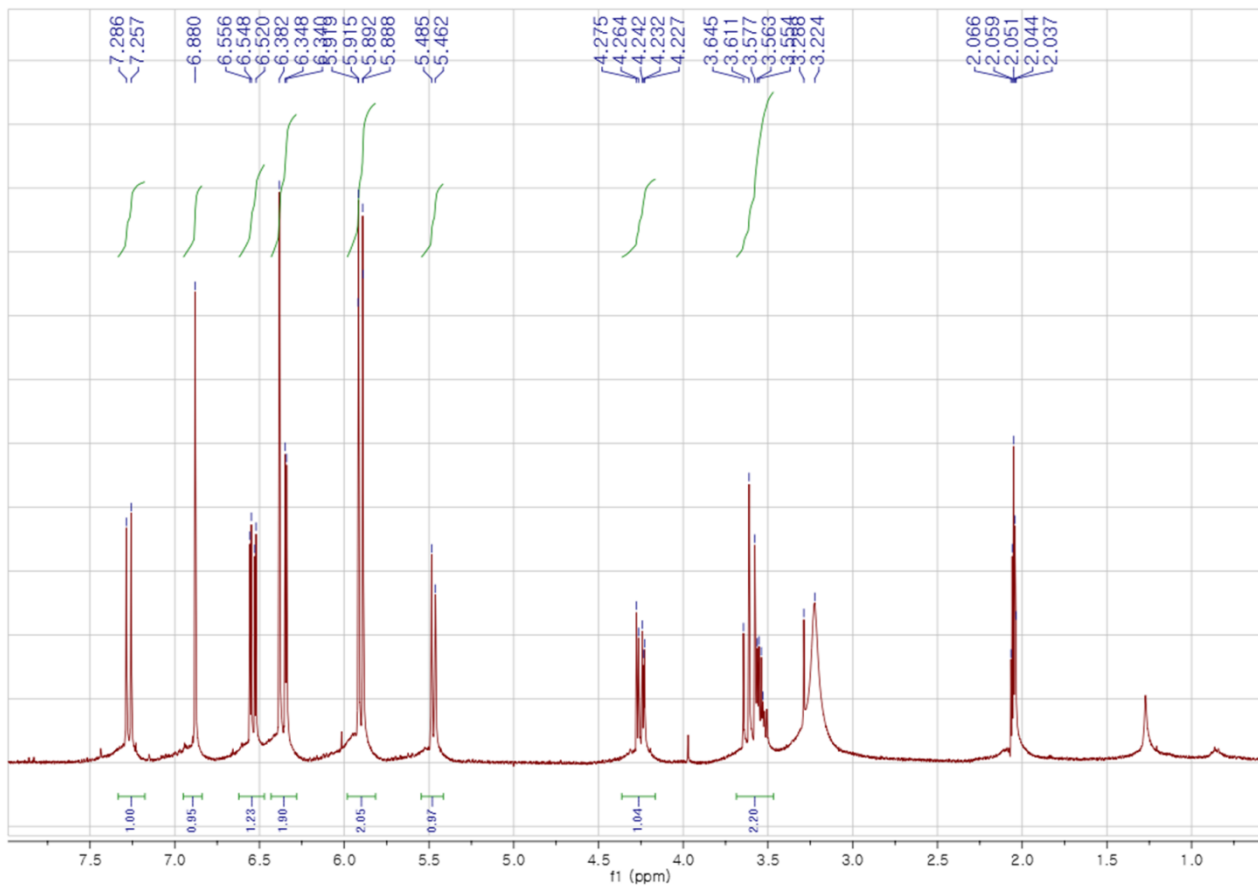


**S18:**  $^{13}\text{C}$ -NMR spectrum of **6** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

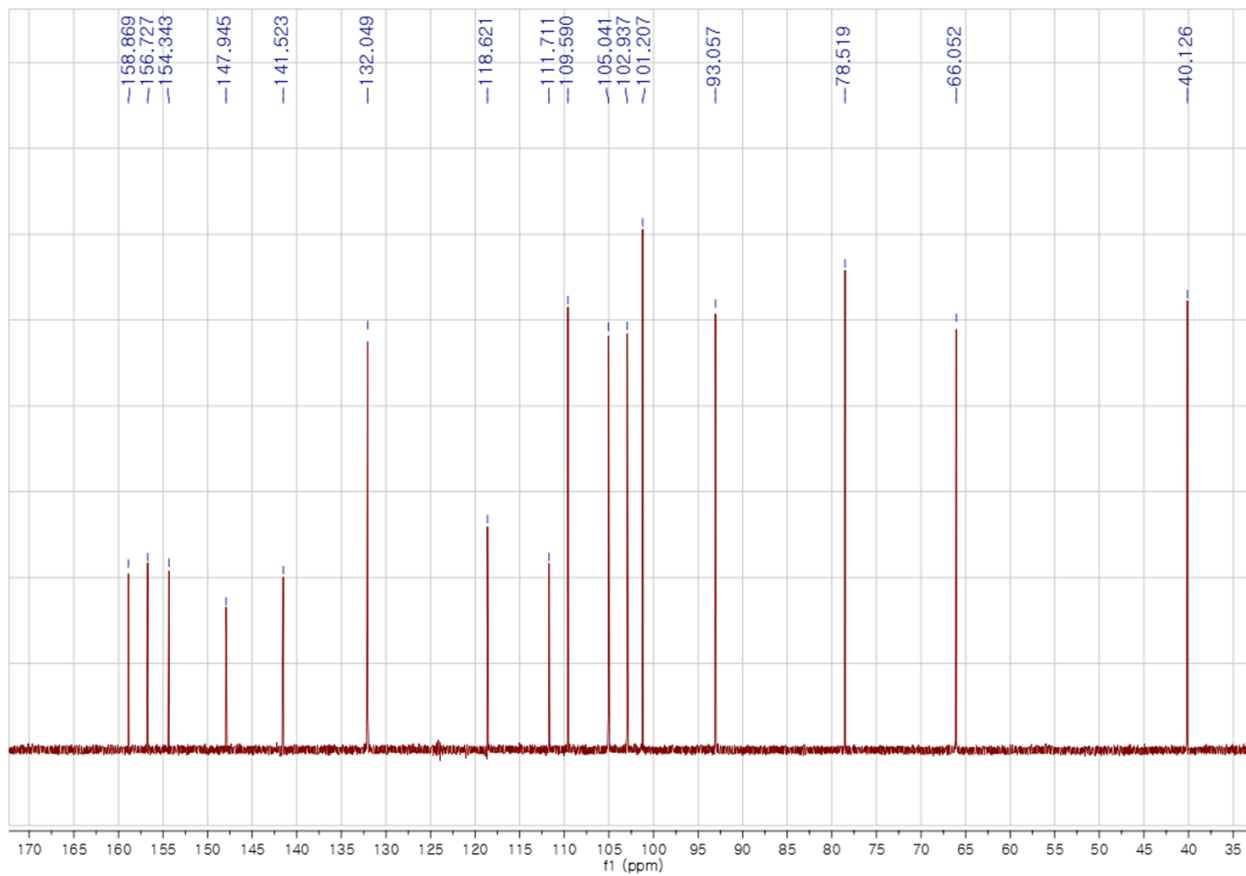
[ Mass Spectrum ]  
Data : FAB-H090 Date : 13-Dec-2013 15:40  
Sample: MF-6  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.34 min Scan# : (2,4)  
BP : m/z 153.0000 Int. : 210.57  
Output m/z range : 10.4298 to 300.1143 Cut Level : 0.00 %



**S19:** FAB-MS spectrum of **6**

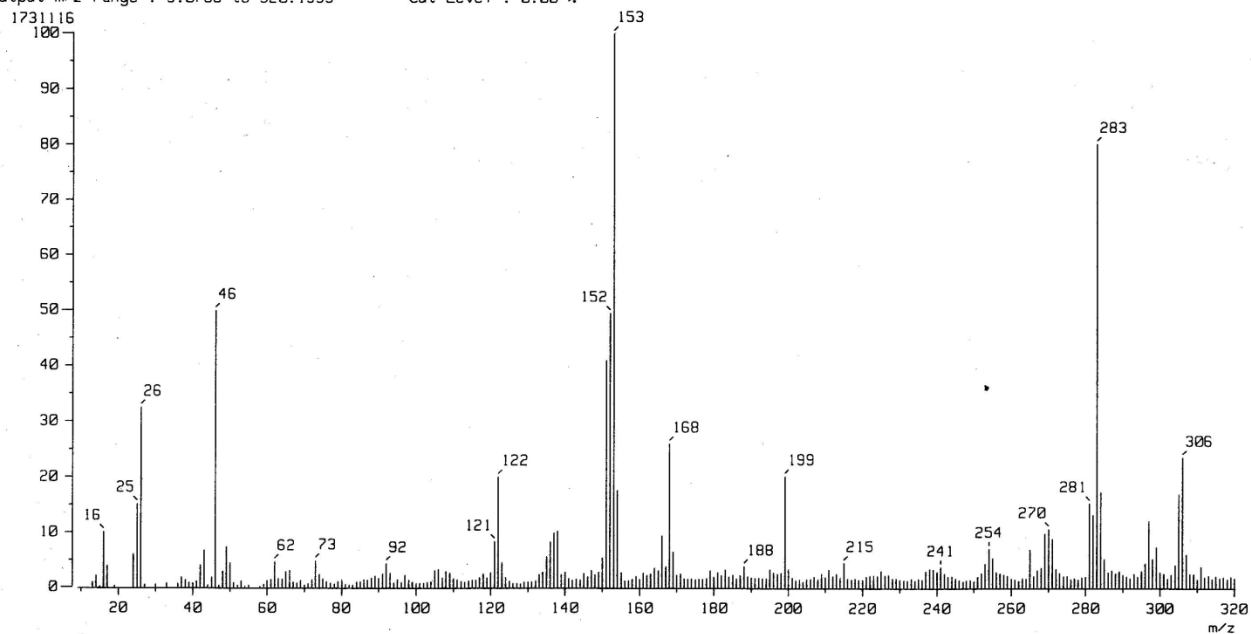


**S20:**  $^1\text{H-NMR}$  spectrum of **7** (300 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )



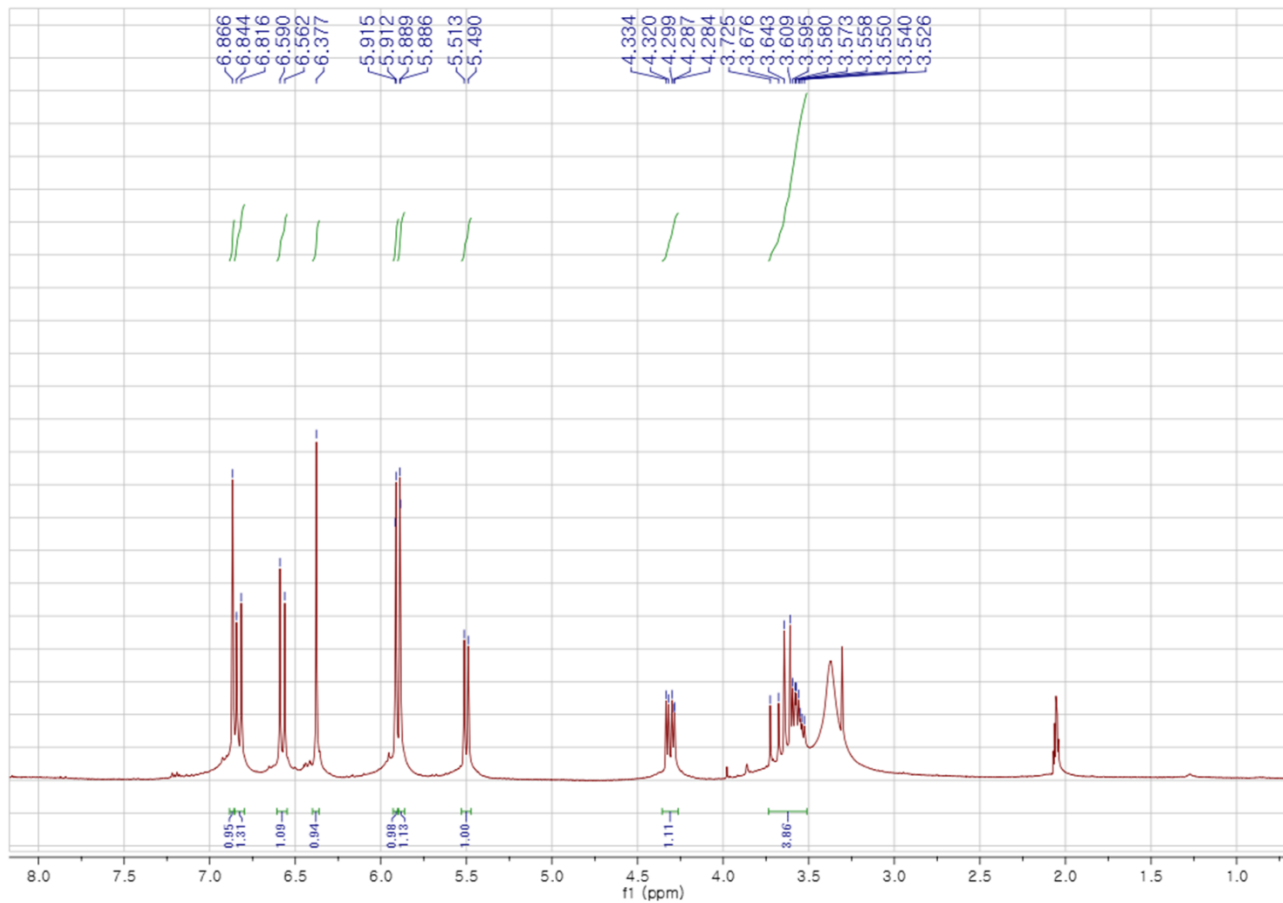
**S21:**  $^{13}\text{C}$ -NMR spectrum of **7** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

[ Mass Spectrum ]  
Data : FAB-H091 Date : 13-Dec-2013 15:44  
Sample: MF-7  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.17 min Scan# : (2,3)  
BP : m/z 153.0000 Int. : 164.93  
Output m/z range : 9.0768 to 320.1955 Cut Level : 0.00 %

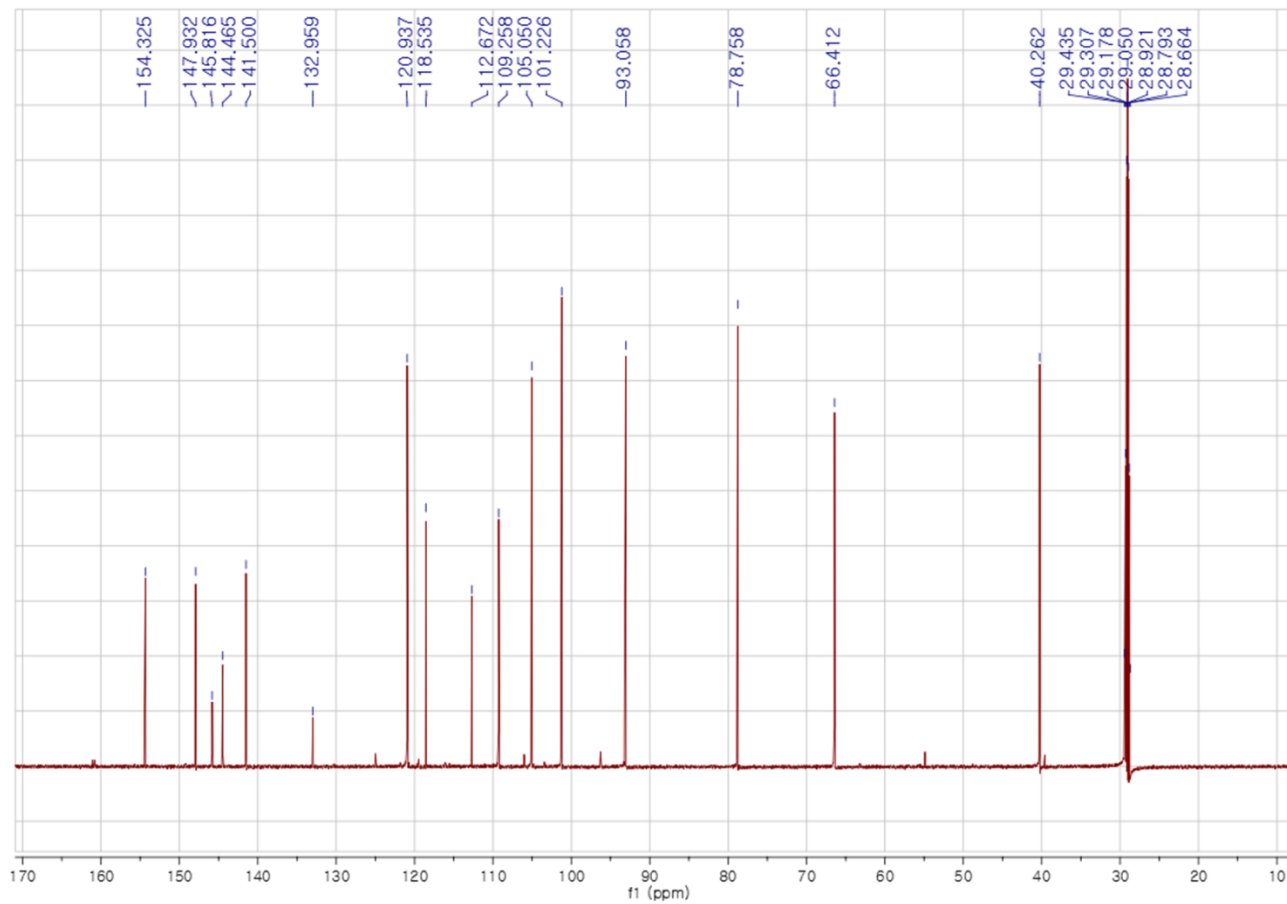


S22: FAB-MS spectrum of 7



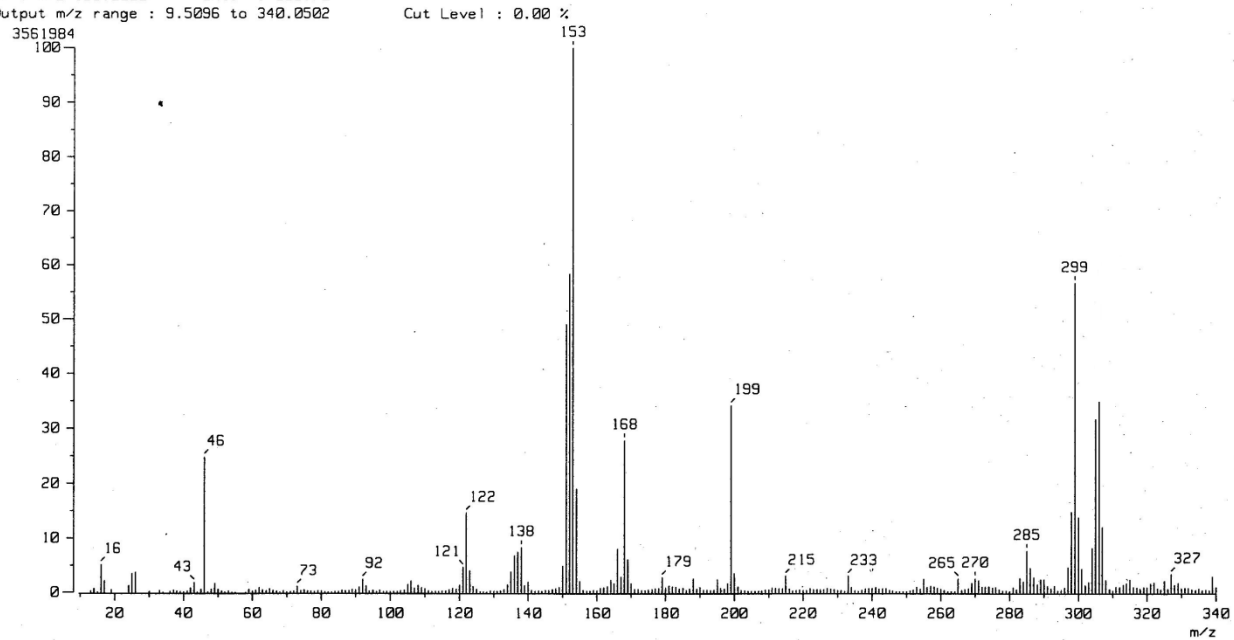


**S23:**  $^1\text{H-NMR}$  spectrum of **8** (300 MHz,  $\text{Acetone-d}_6 + \text{D}_2\text{O}$ )

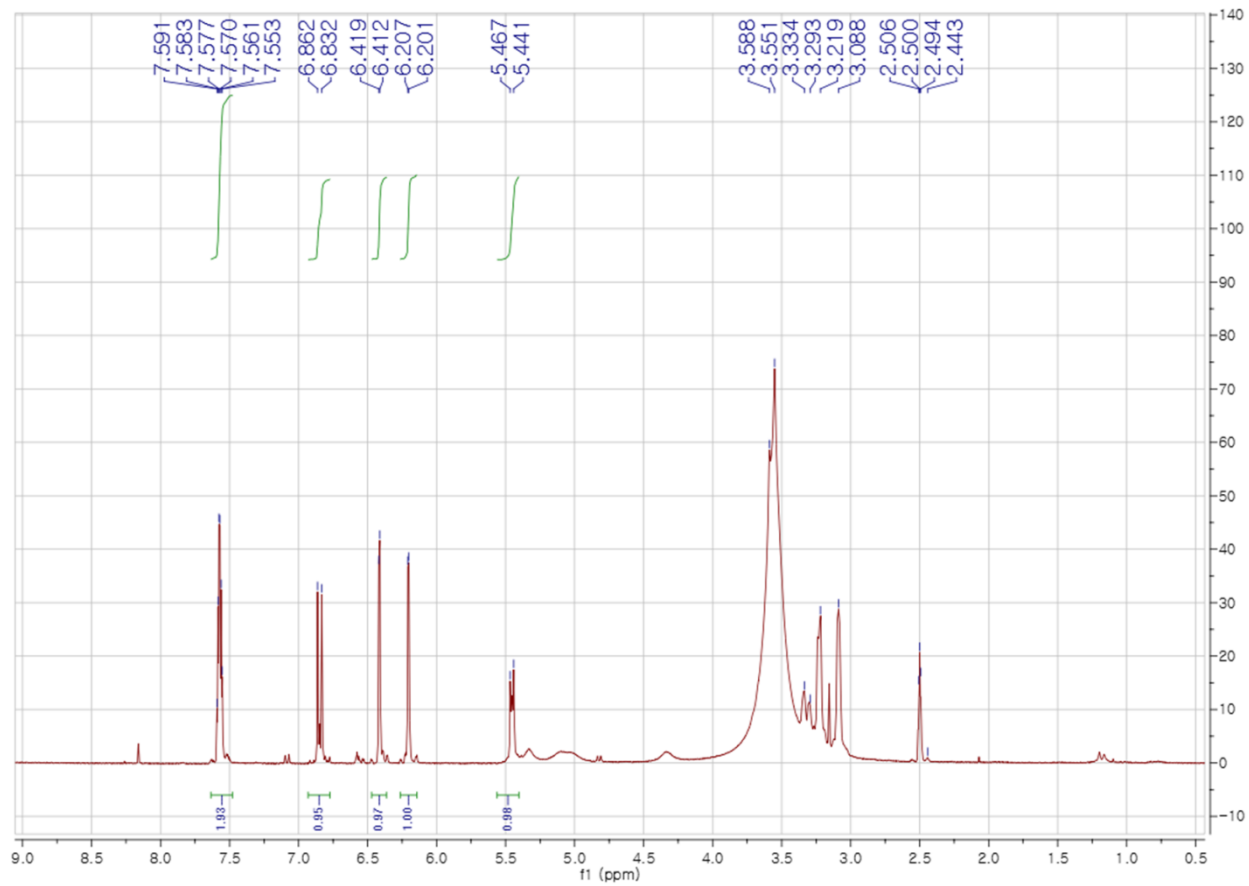


S24:  $^{13}\text{C}$ -NMR spectrum of **8** (150 MHz, Acetone- $\text{d}_6$  +  $\text{D}_2\text{O}$ )

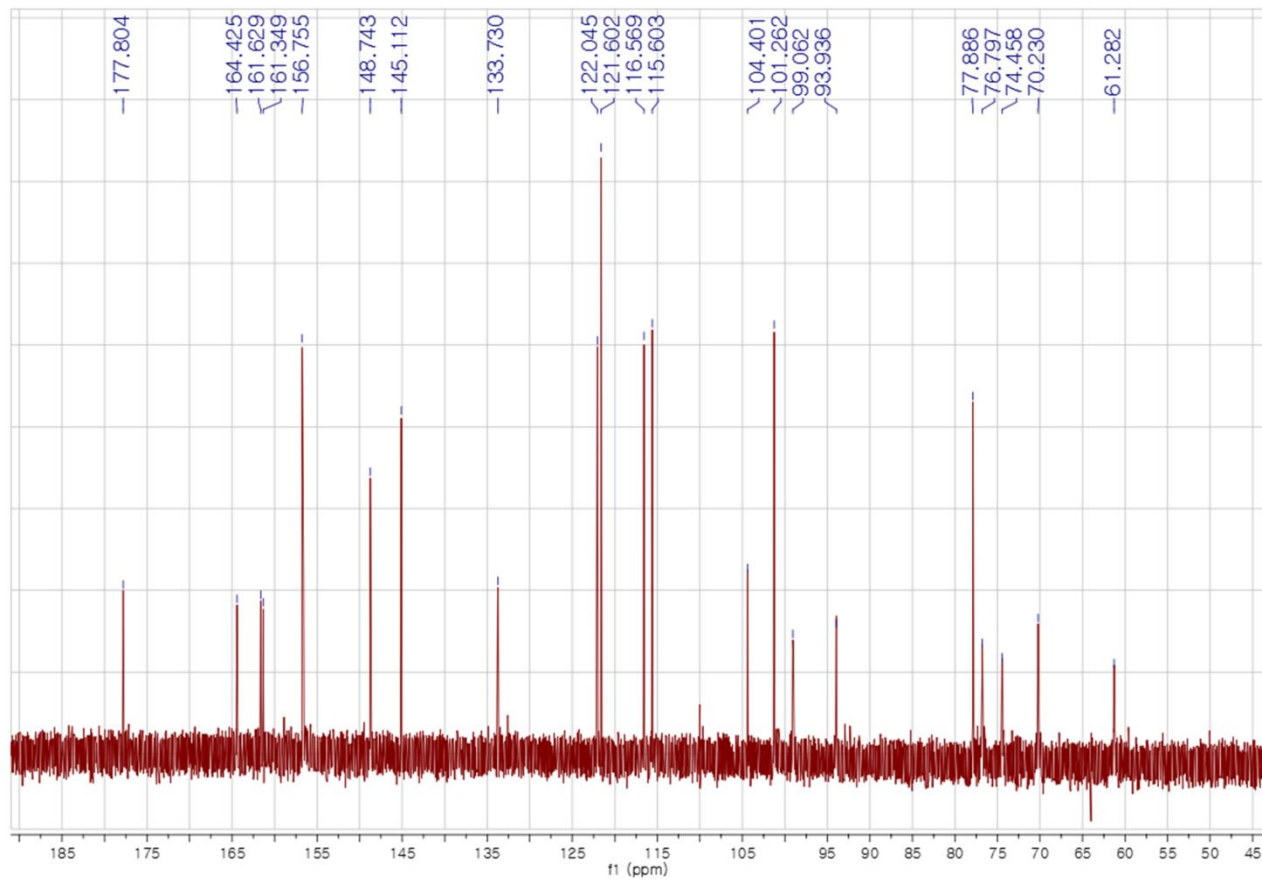
[ Mass Spectrum ]  
Data : FAB-H088 Date : 13-Dec-2013 15:35  
Sample: MF-8  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.17 min Scan# : (1,4)  
BP : m/z 153.0000 Int. : 339.70  
Output m/z range : 9.5096 to 340.0502



S25: FAB-MS spectrum of 8

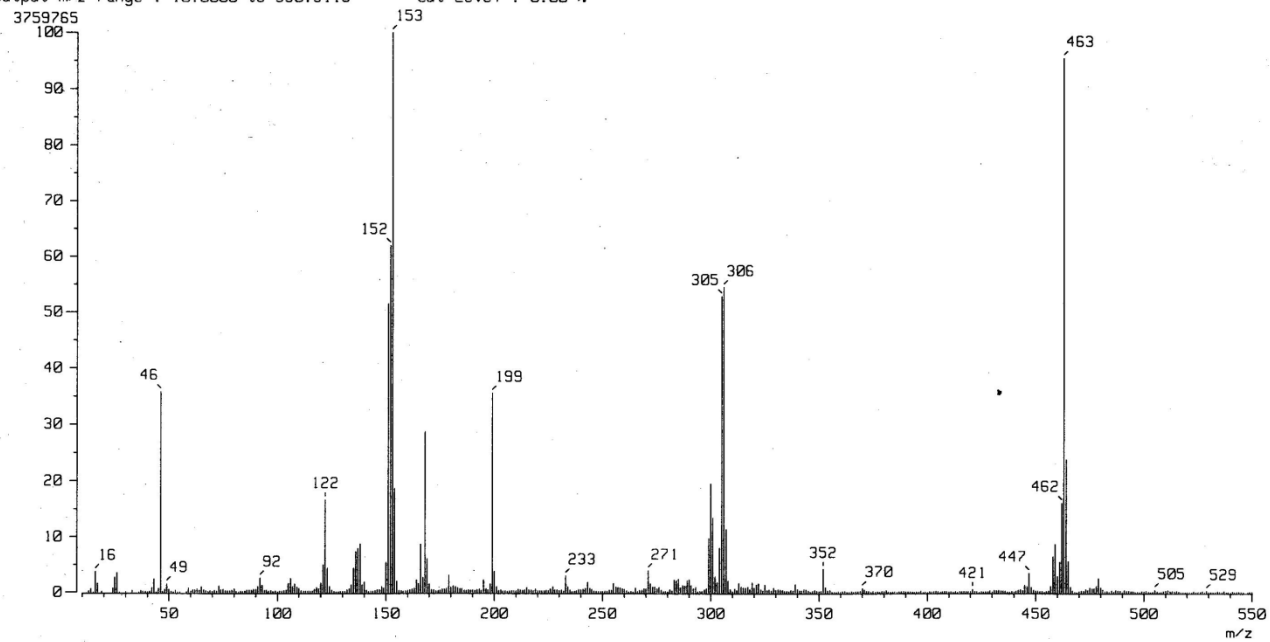


**S26:**  $^1\text{H-NMR}$  spectrum of **9** (300 MHz,  $\text{DMSO-d}_6 + \text{D}_2\text{O}$ )



**S27:**  $^{13}\text{C}$ -NMR spectrum of **9** (150 MHz,  $\text{DMSO-d}_6 + \text{D}_2\text{O}$ )

[ Mass Spectrum ]  
Data : FAB-H005 Date : 13-Dec-2013 15:29  
Sample: MF-9  
Note : m-NBA  
Inlet : Direct Ion Mode : FAB-  
Spectrum Type : Normal Ion [MF-Linear]  
RT : 0.17 min Scan# : (1,3)  
BP : m/z 153.0000 Int. : 358.56  
Output m/z range : 10.0000 to 550.3116 Cut Level : 0.00 %



S28: FAB-MS spectrum of 9