

## SUPPORTING INFORMATION

### Ameliorative Effects of Flavonoids from *Platycodon grandiflorus* Aerial Part on Alloxan-Induced Pancreatic Islet Damage in Zebrafish

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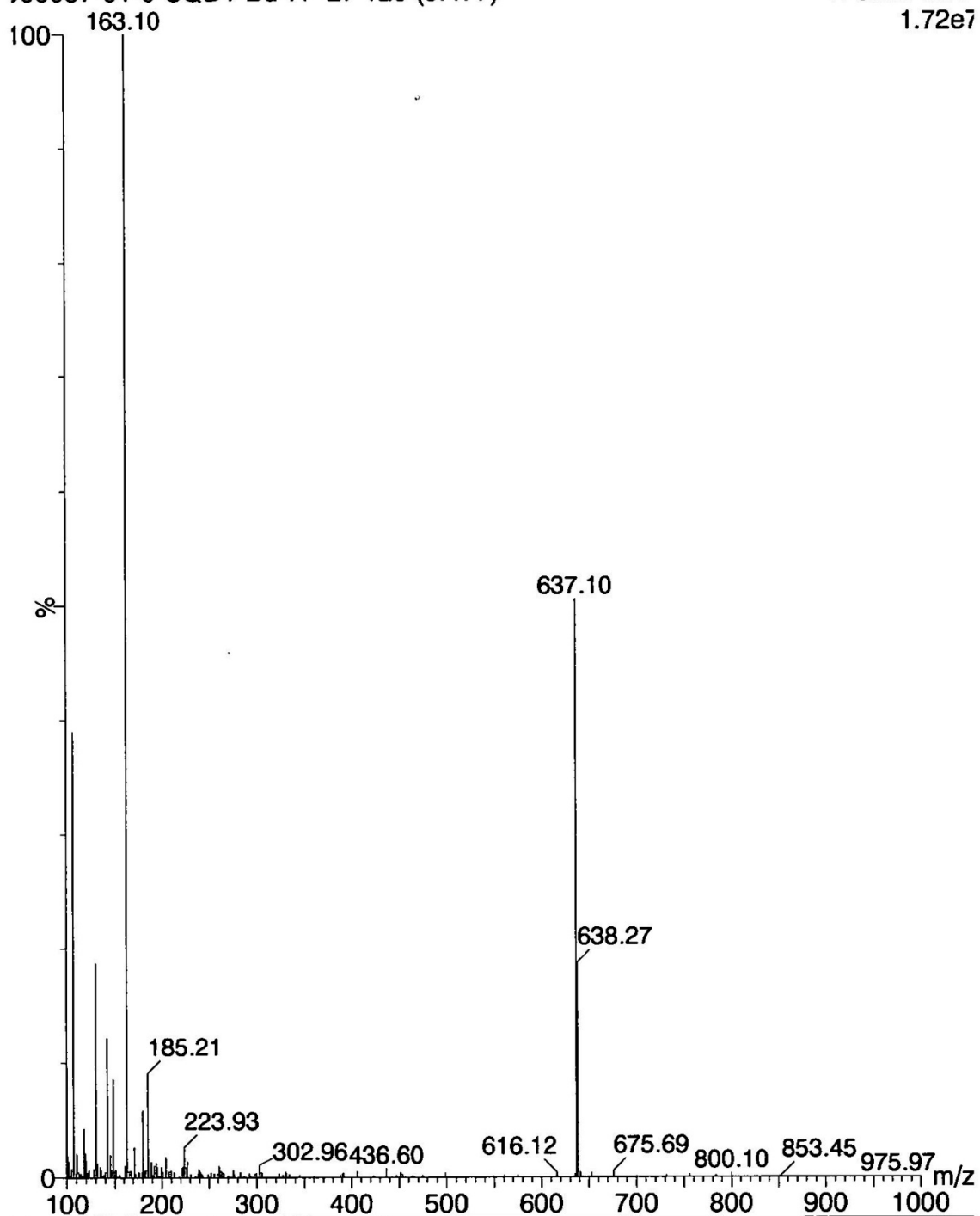
**Figure S14.** <sup>1</sup>H-<sup>1</sup>H COSY spectrum of compound **2** (DMSO-*d*<sub>6</sub>, 700 MHz).

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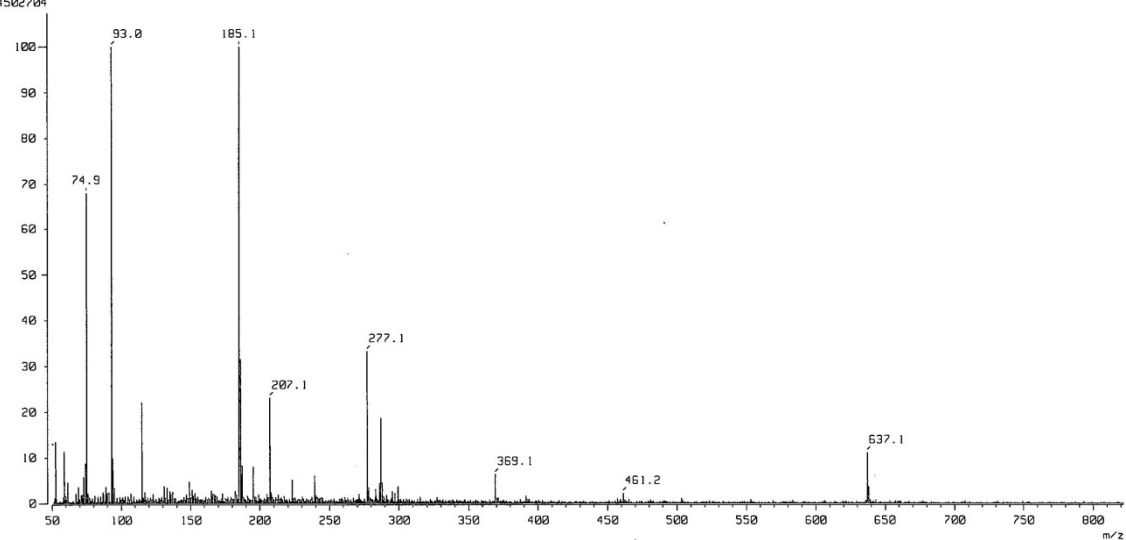
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1: Scan ES+  
1.72e7



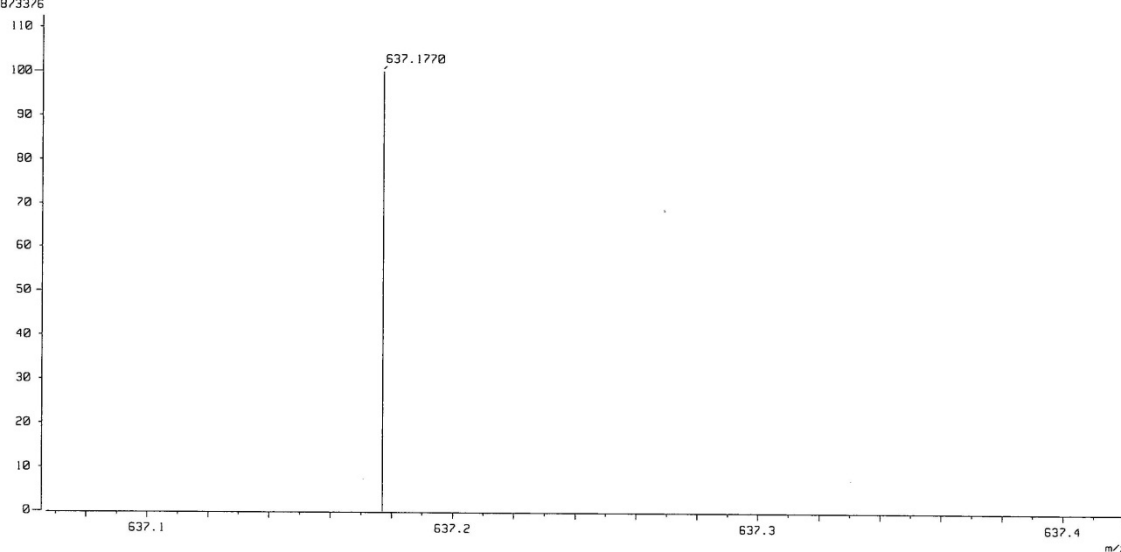
**Figure S1.** ESIMS (positive ion mode) spectrum of compound **1**.

[ Mass Spectrum ]  
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 Sample :  
 Note : Jeol-JMS-700  
 Inlet : Direct Ion Mode : FAB+  
 Spectrum Type : Normal Ion [MF-Linear]  
 RT : 0.34 min Scan# : 11  
 BP : m/z 92.9715 Int. : 400.00  
 Output m/z range : 50.0000 to 821.8101 Cut Level : 0.00 %  
 4502704

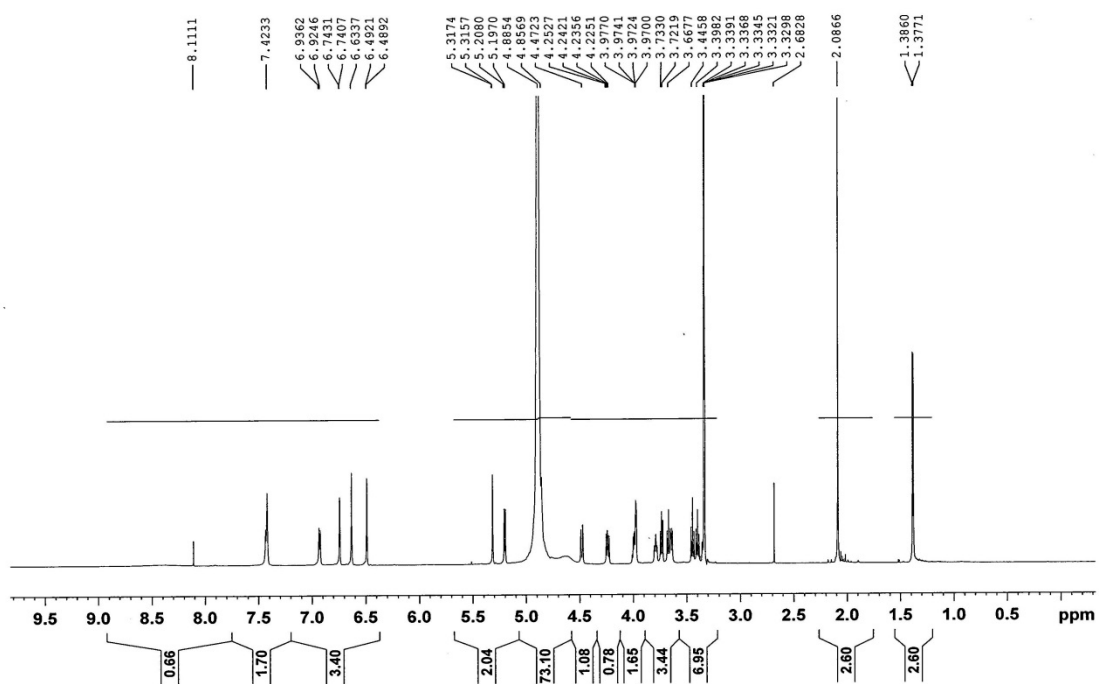


**Figure S2.** FABMS (positive ion mode) spectrum of compound **1**.

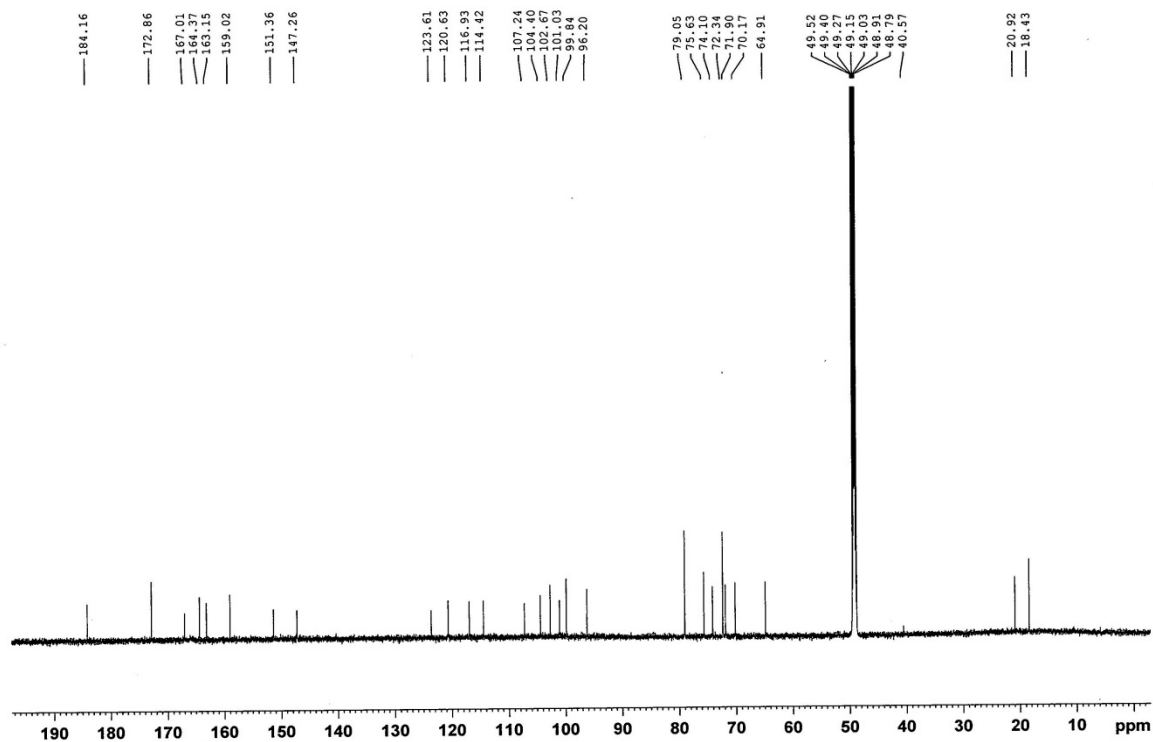
[ Mass Spectrum ]  
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 Sample : -  
 Note : -  
 Inlet : Direct Ion Mode : FAB+  
 Spectrum Type : Normal Ion [MF-Linear]  
 RT : 1.97 min Scan# : 60  
 BP : m/z 637.1770 Int. : 1599.92  
 Output m/z range : 637.0669 to 637.4200 Cut Level : 0.00 %  
 18973376



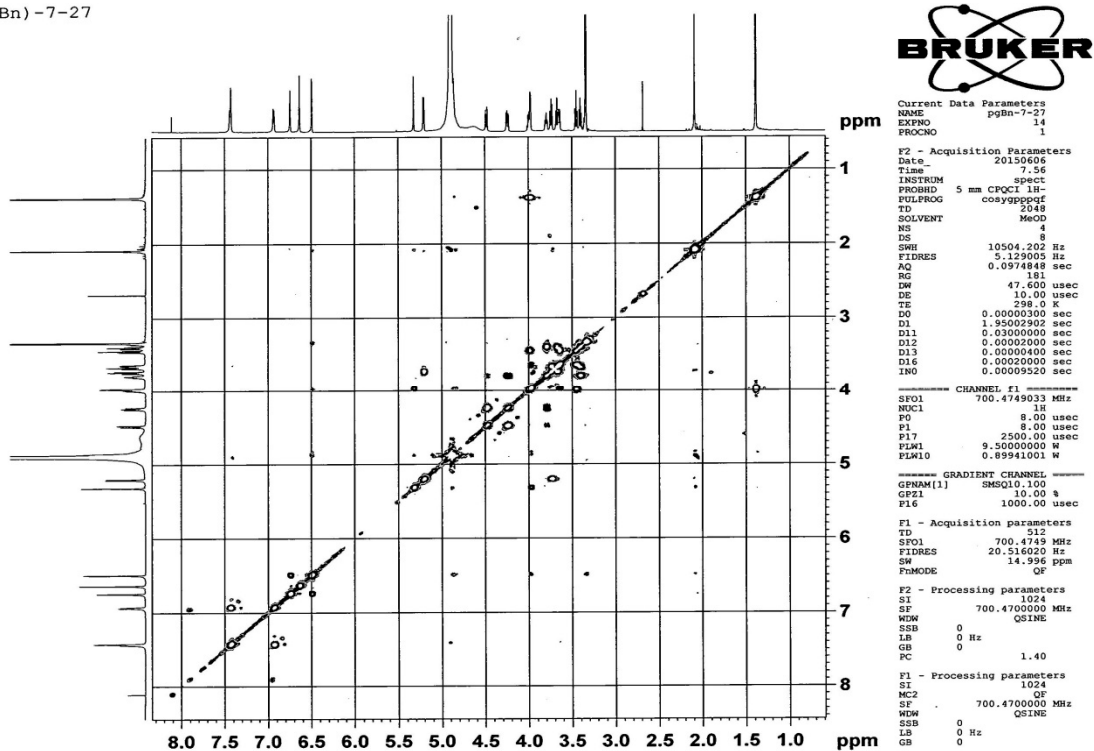
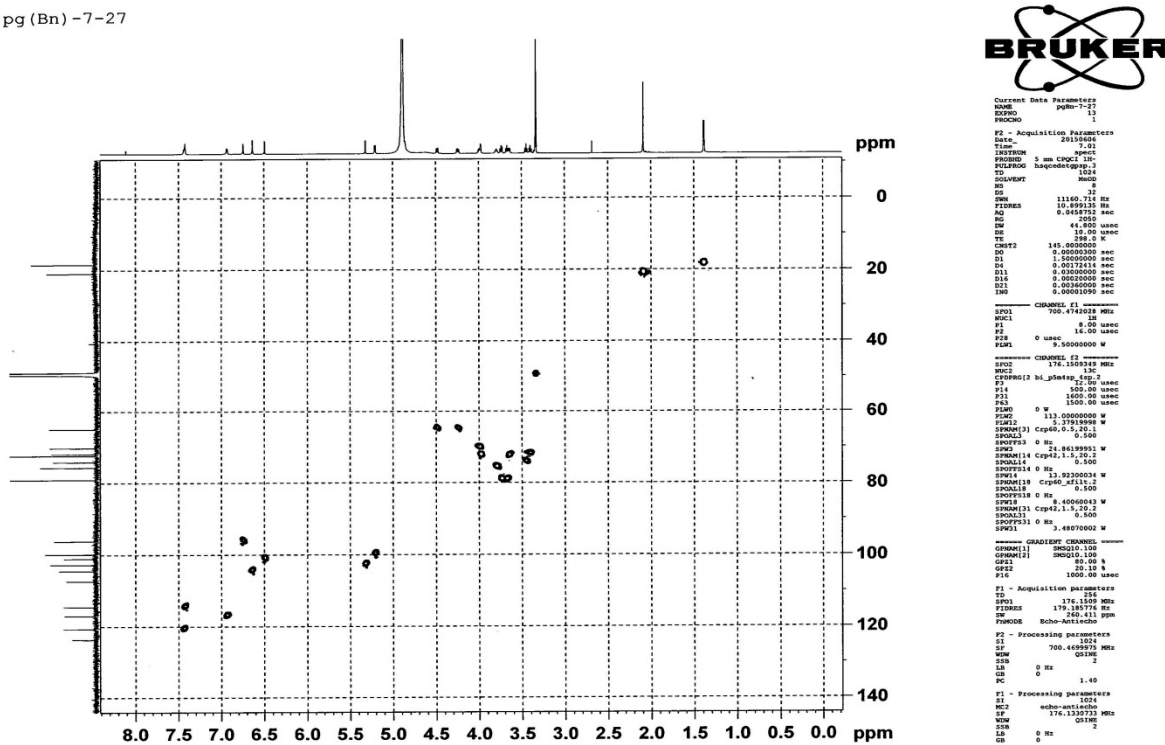
**Figure S3.** HRFABMS (positive ion mode) spectrum of compound **1**.



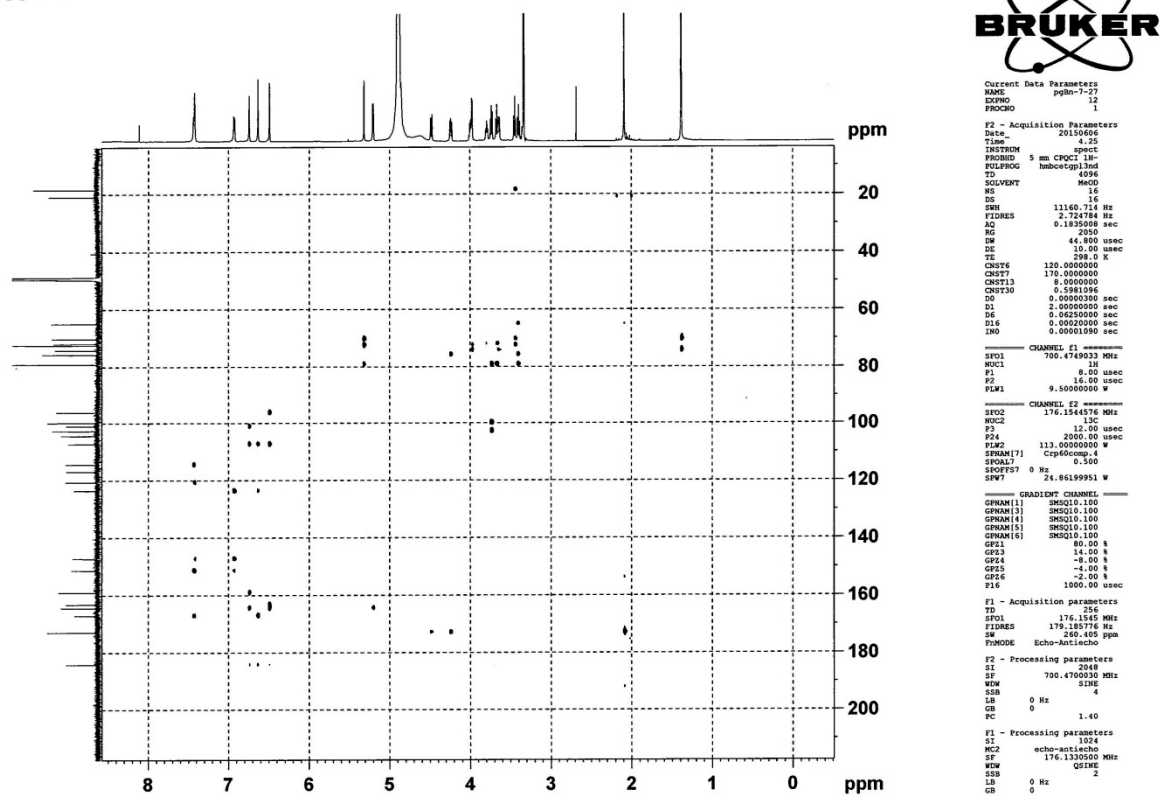
**Figure S4.** <sup>1</sup>H NMR spectrum of compound **1** (CD<sub>3</sub>OD, 700 MHz).



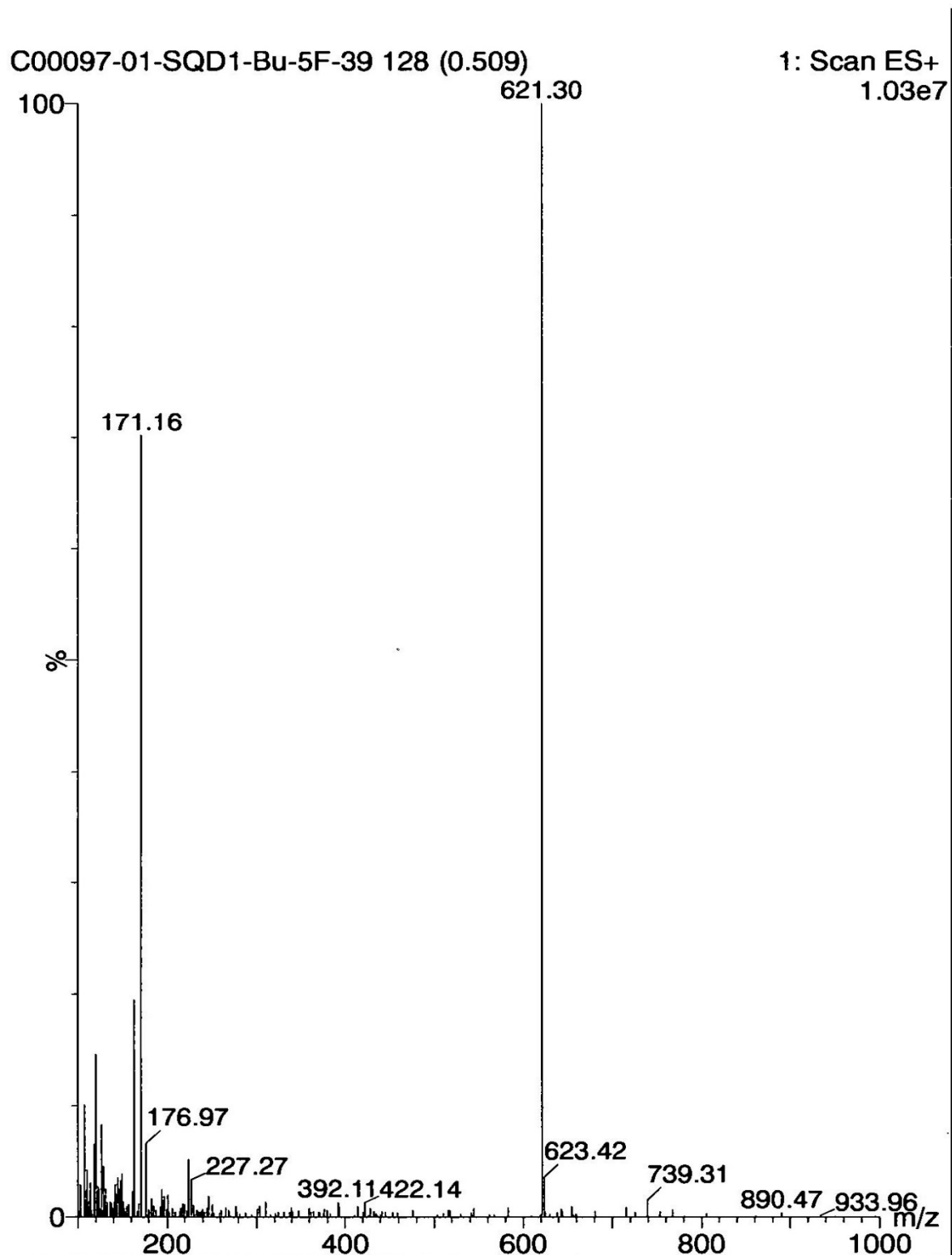
**Figure S5.** <sup>13</sup>C NMR spectrum of compound **1** (CD<sub>3</sub>OD, 176 MHz).

Figure S6.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **1** ( $\text{CD}_3\text{OD}$ , 700 MHz).Figure S7. HSQC spectrum of compound **1** ( $\text{CD}_3\text{OD}$ , 700 MHz).

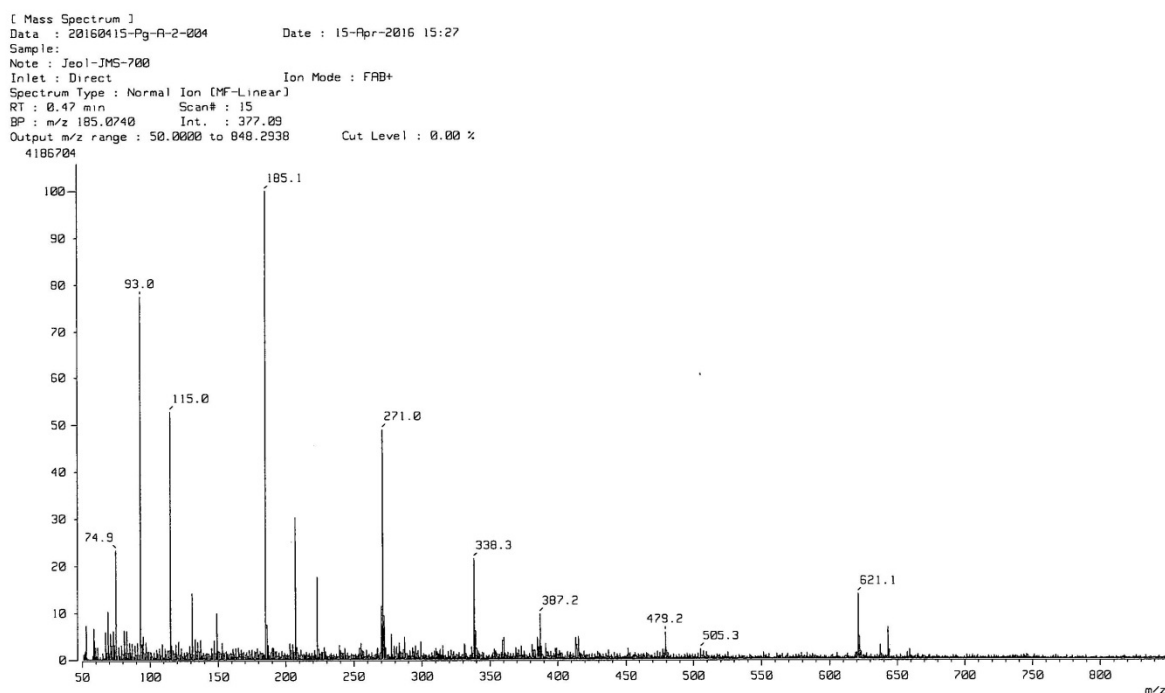
pg (Bn) -7-27



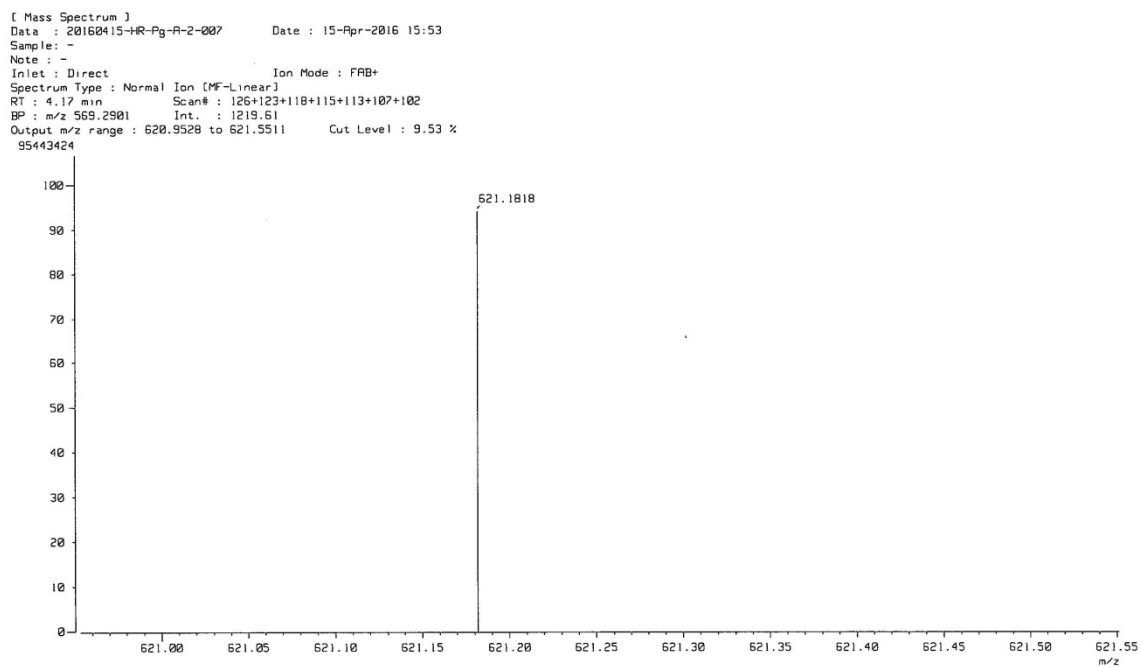
**Figure S8.** HMBC spectrum of compound **1** (CD<sub>3</sub>OD, 700 MHz).



**Figure S9.** ESIMS (positive ion mode) spectrum of compound **2**.

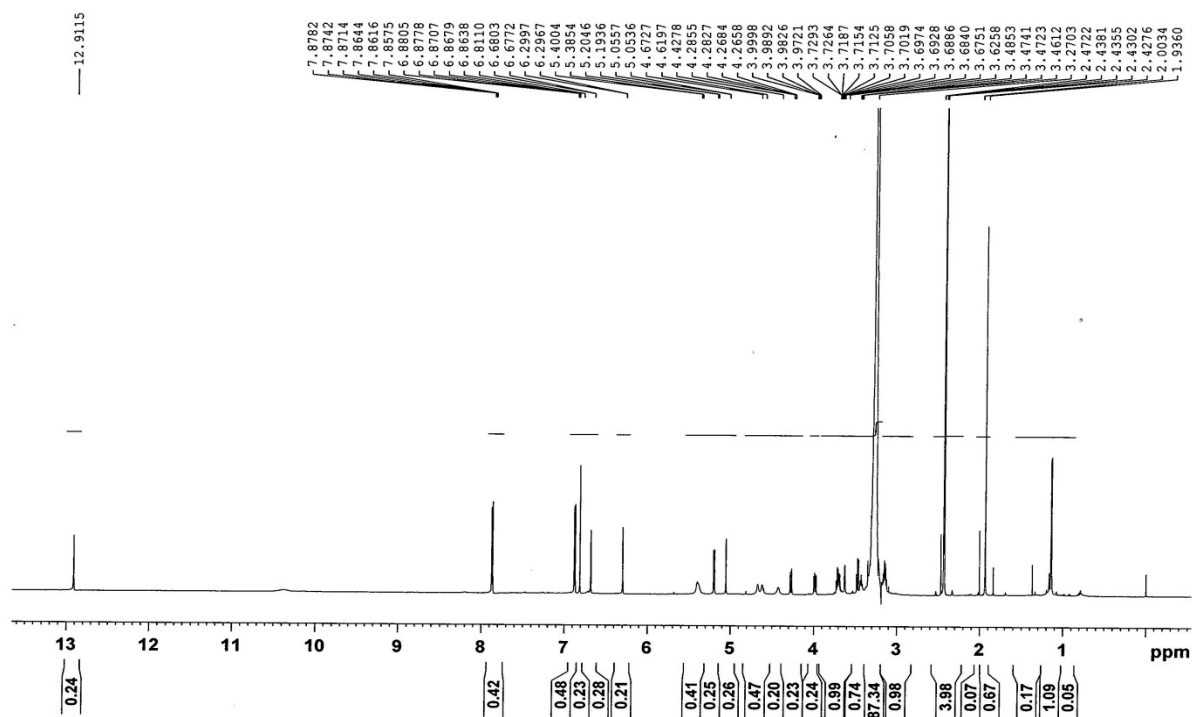


**Figure S10.** FABMS (positive ion mode) spectrum of compound **2**.

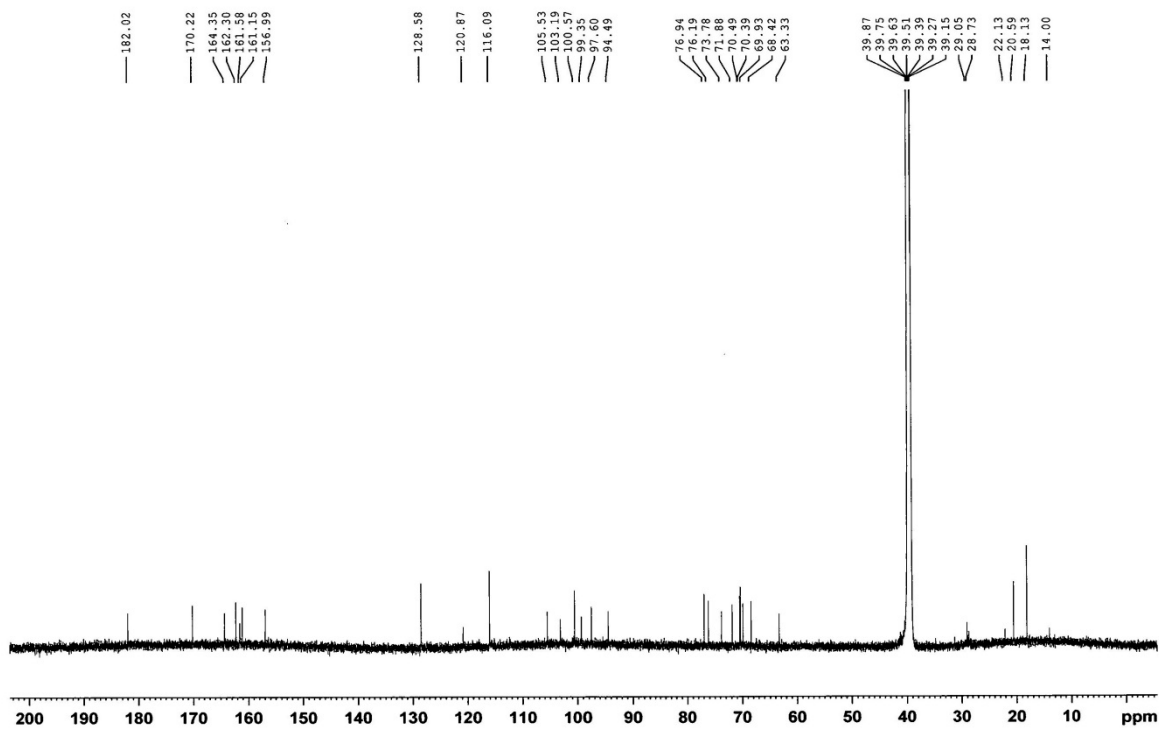


**Figure S11.** HRFABMS (positive ion mode) spectrum of compound **2**.





**Figure S12.**  $^1\text{H}$  NMR spectrum of compound **2** (DMSO- $d_6$ , 700 MHz).



**Figure S13.**  $^{13}\text{C}$  NMR spectrum of compound **2** (DMSO- $d_6$ , 176 MHz).

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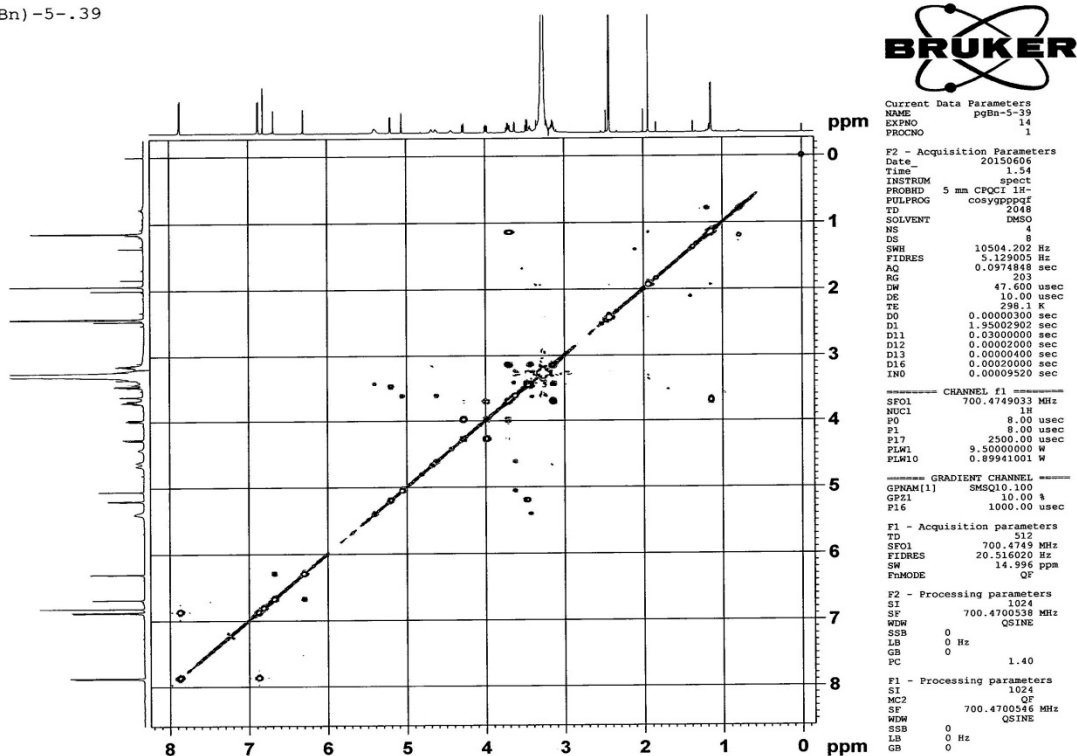


Figure S14.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **2** (DMSO- $d_6$ , 700 MHz).

pg (Bn) -5-.39

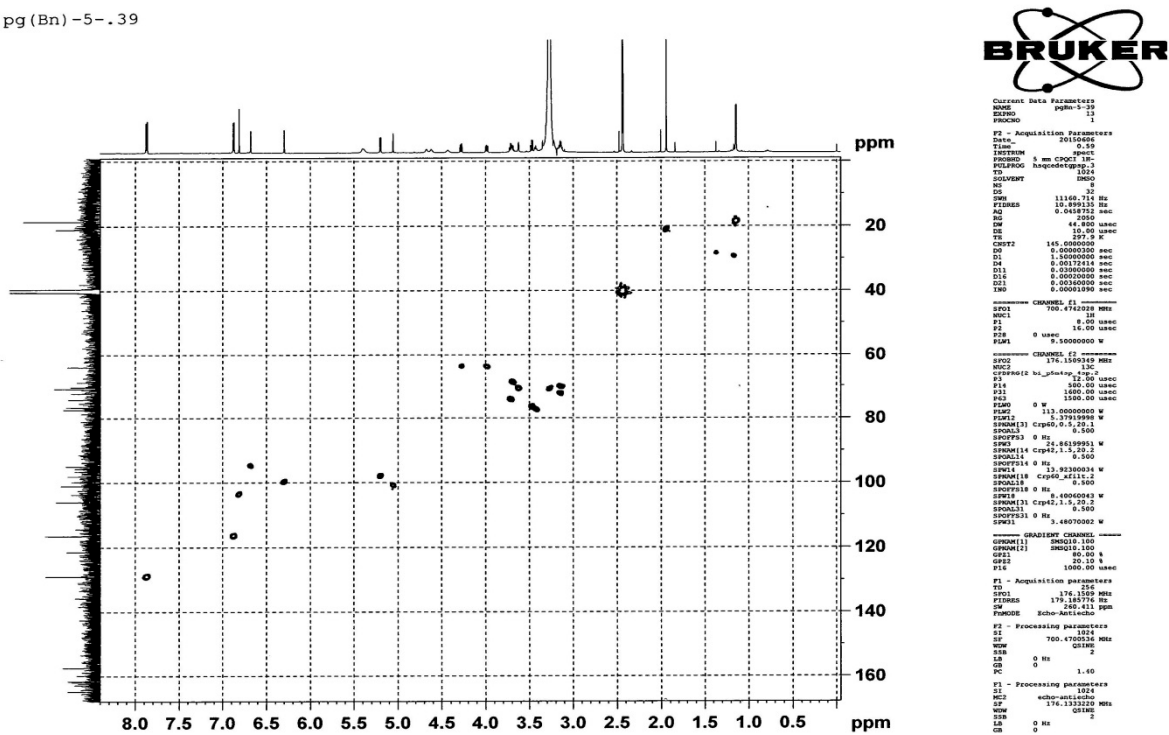


Figure S15. HSQC spectrum of compound **2** (DMSO- $d_6$ , 700 MHz).

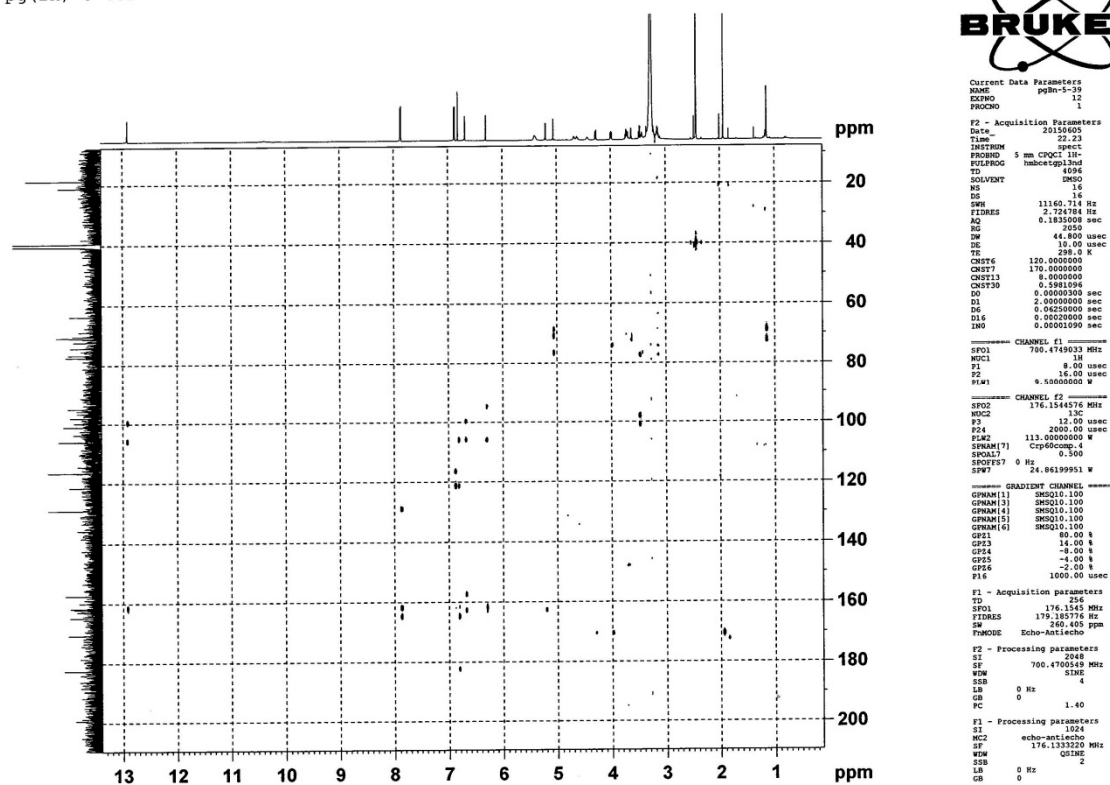


Figure S16. HMBC spectrum of compound **2** (DMSO- $d_6$ , 700 MHz).