

## Supplementary Information

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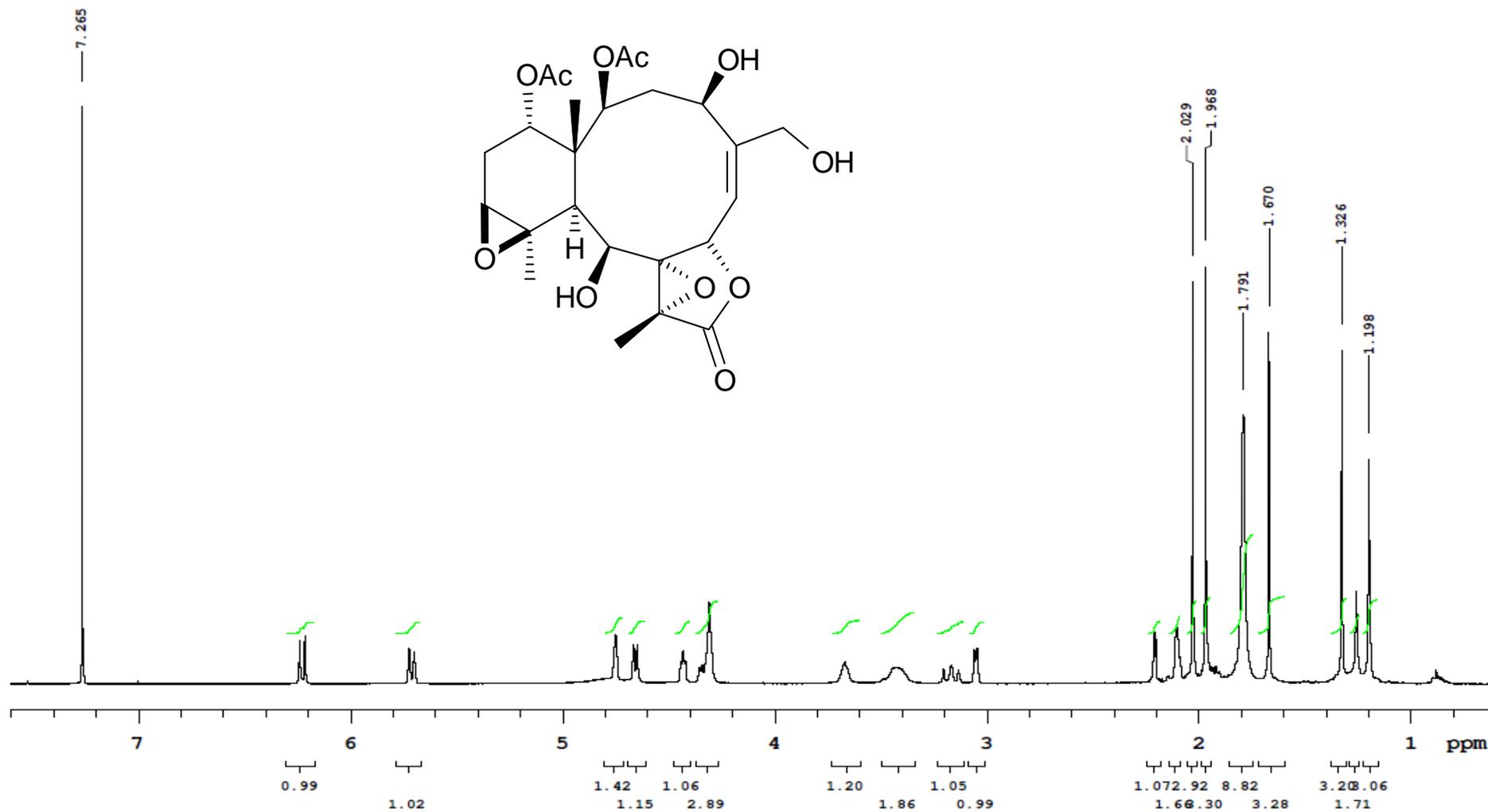
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**Figure S1.**  $^1\text{H}$  NMR spectrum (400 MHz) of briacavatolide D (**1**) in  $\text{CDCl}_3$ .

LY05-13-9-2D

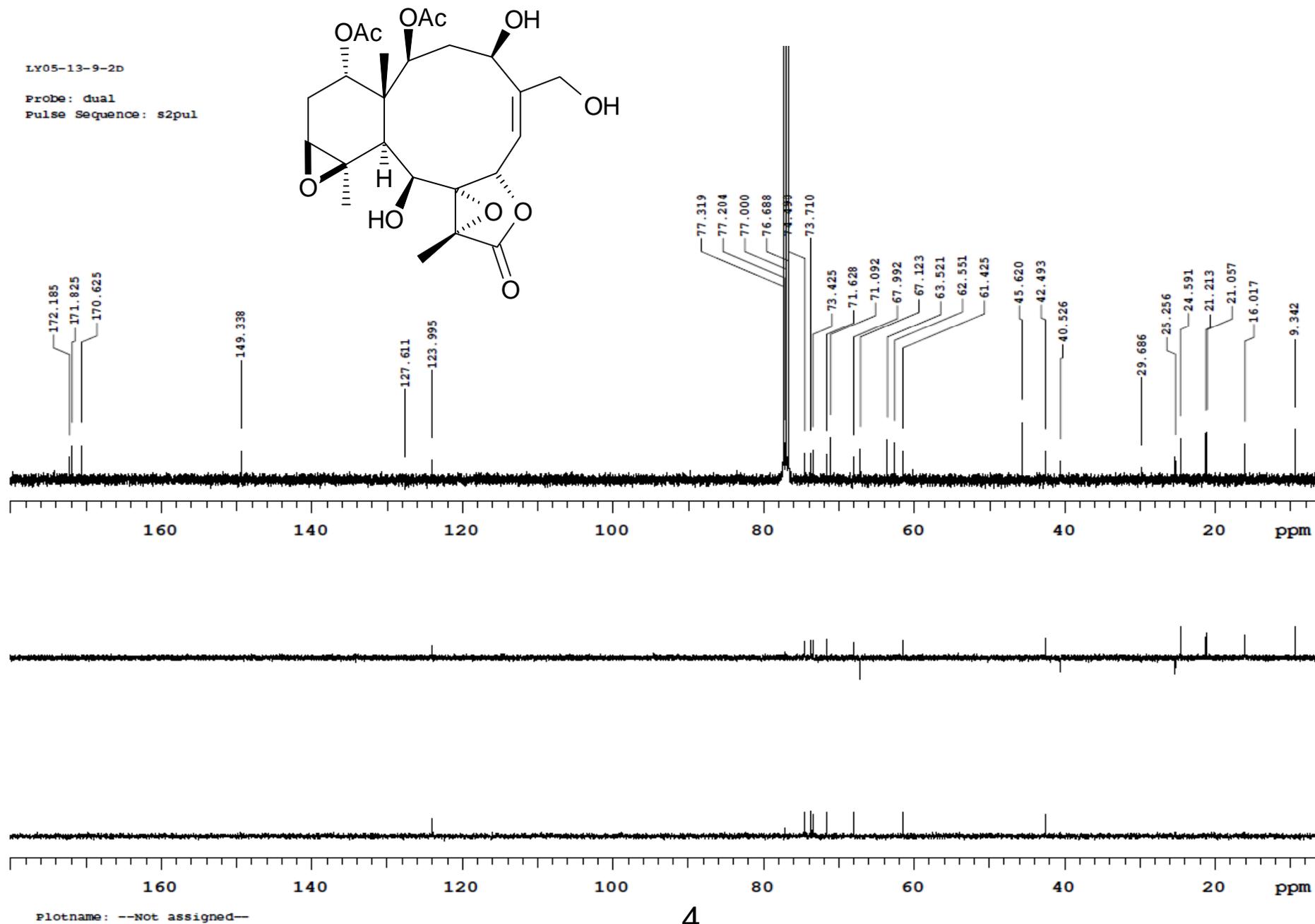
Probe: dual

Pulse Sequence: s2pul



Plotname: --Not assigned--

**Figure S2.**  $^{13}\text{C}$  NMR spectrum (100 MHz) of briacavatolide D (**1**) in  $\text{CDCl}_3$ .



**Figure S3.** COSY spectrum (400 MHz) of briacavatolide D (**1**) in CDCl<sub>3</sub>.

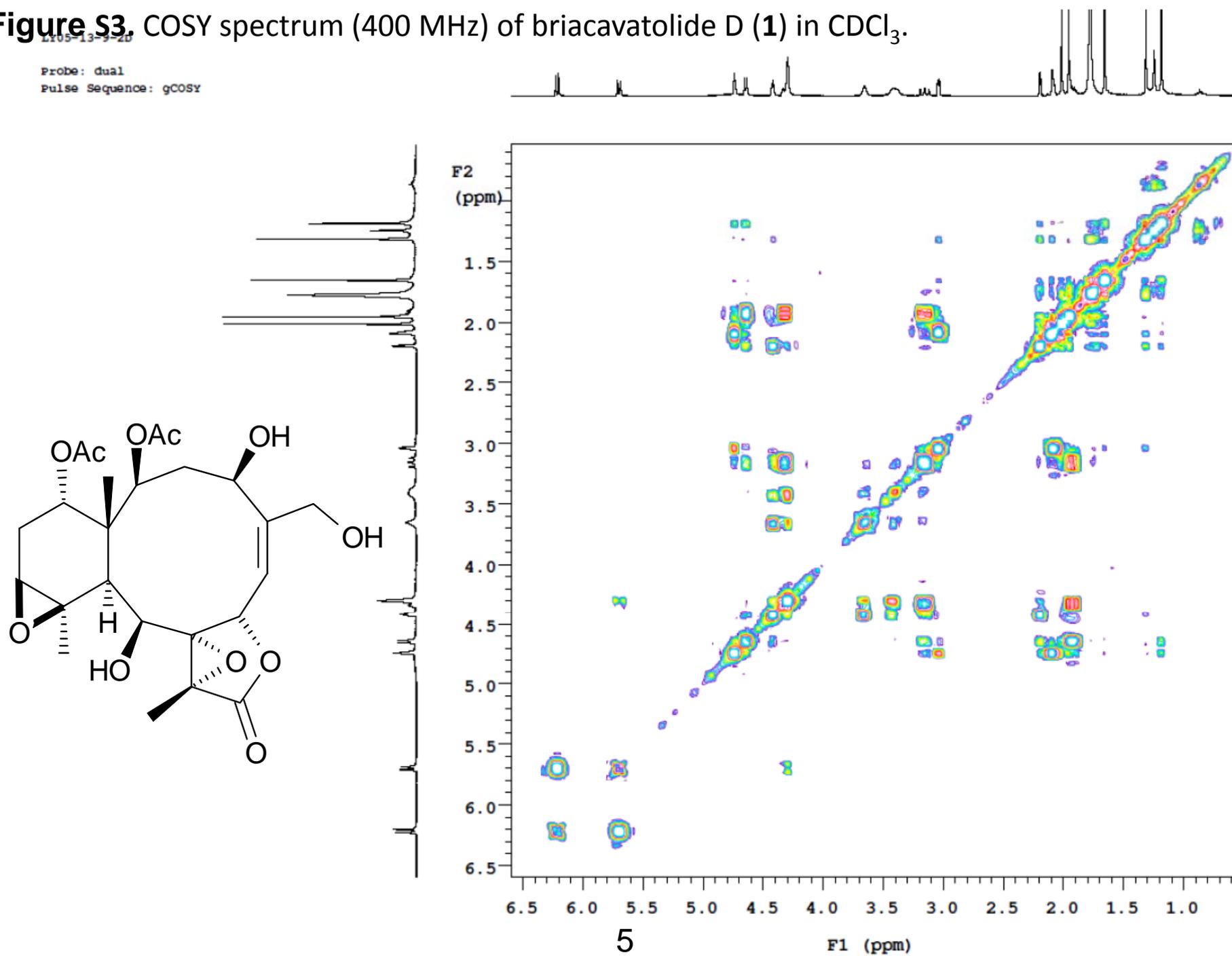


Figure S4. HSQC spectrum (400 MHz) of briacavatulide D (**1**) in

CDCl<sub>3</sub> Probe: dual  
Pulse Sequence: gHSQCAD

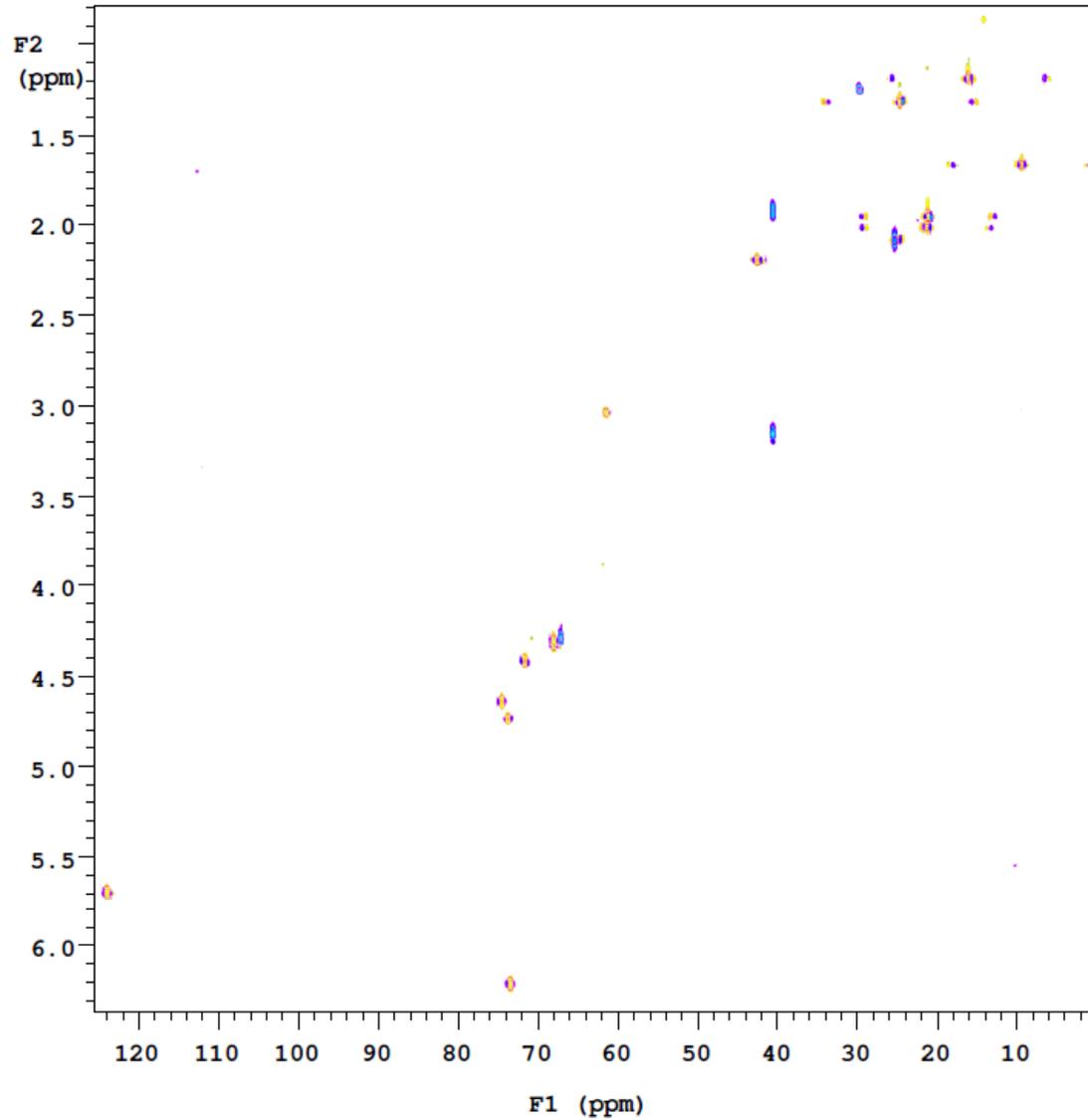
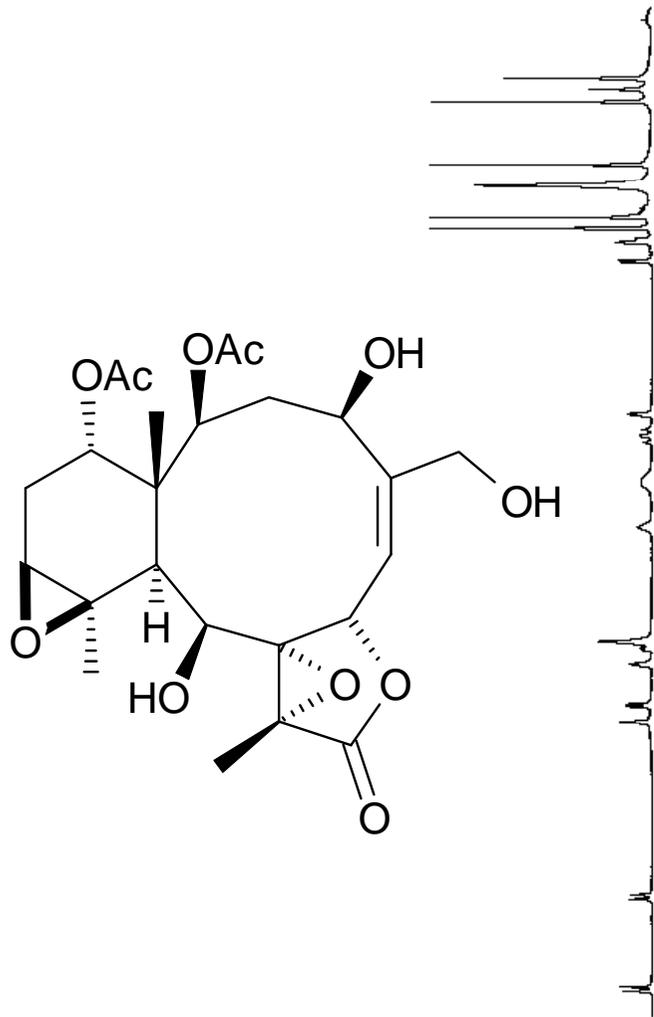
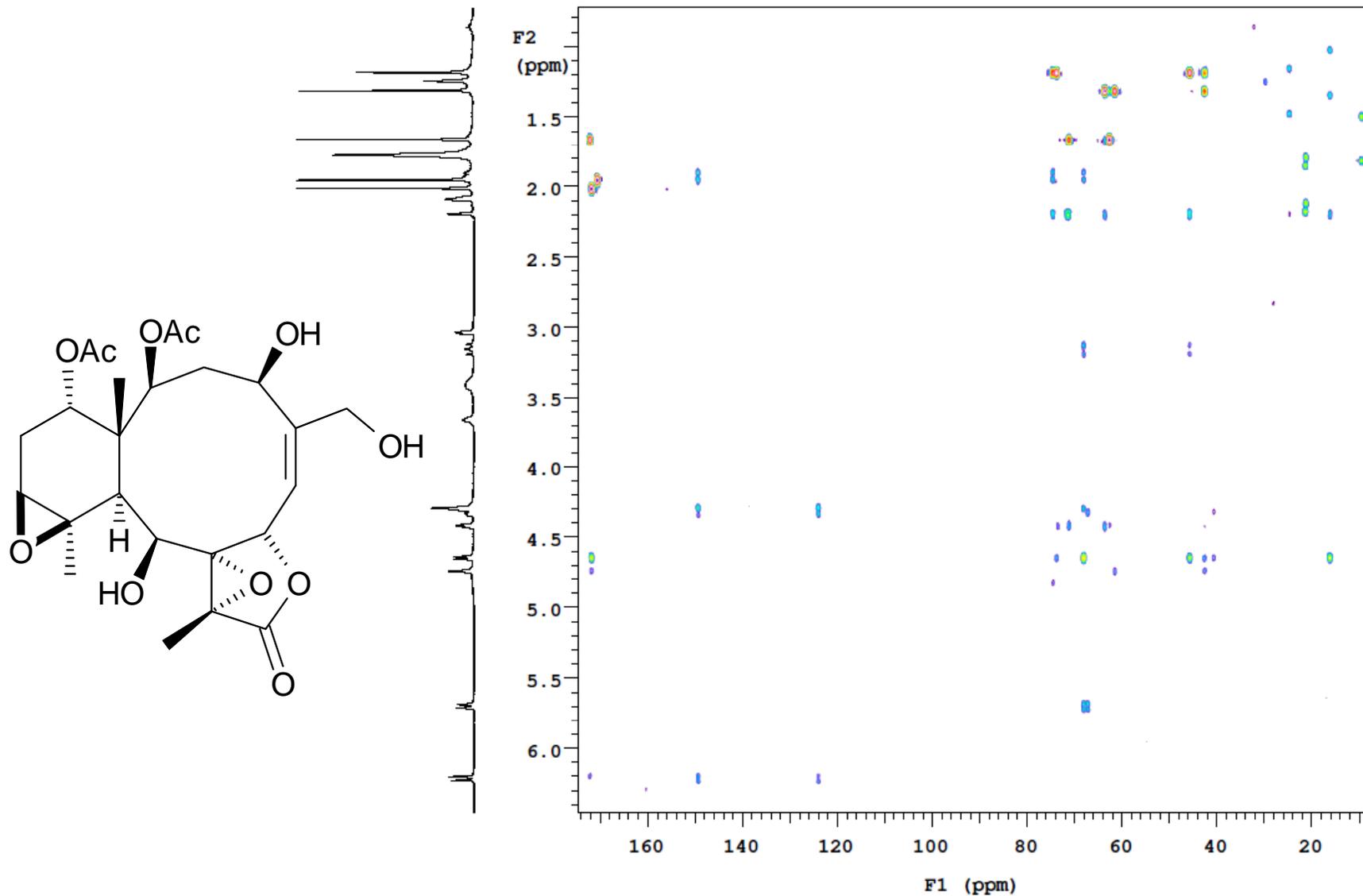
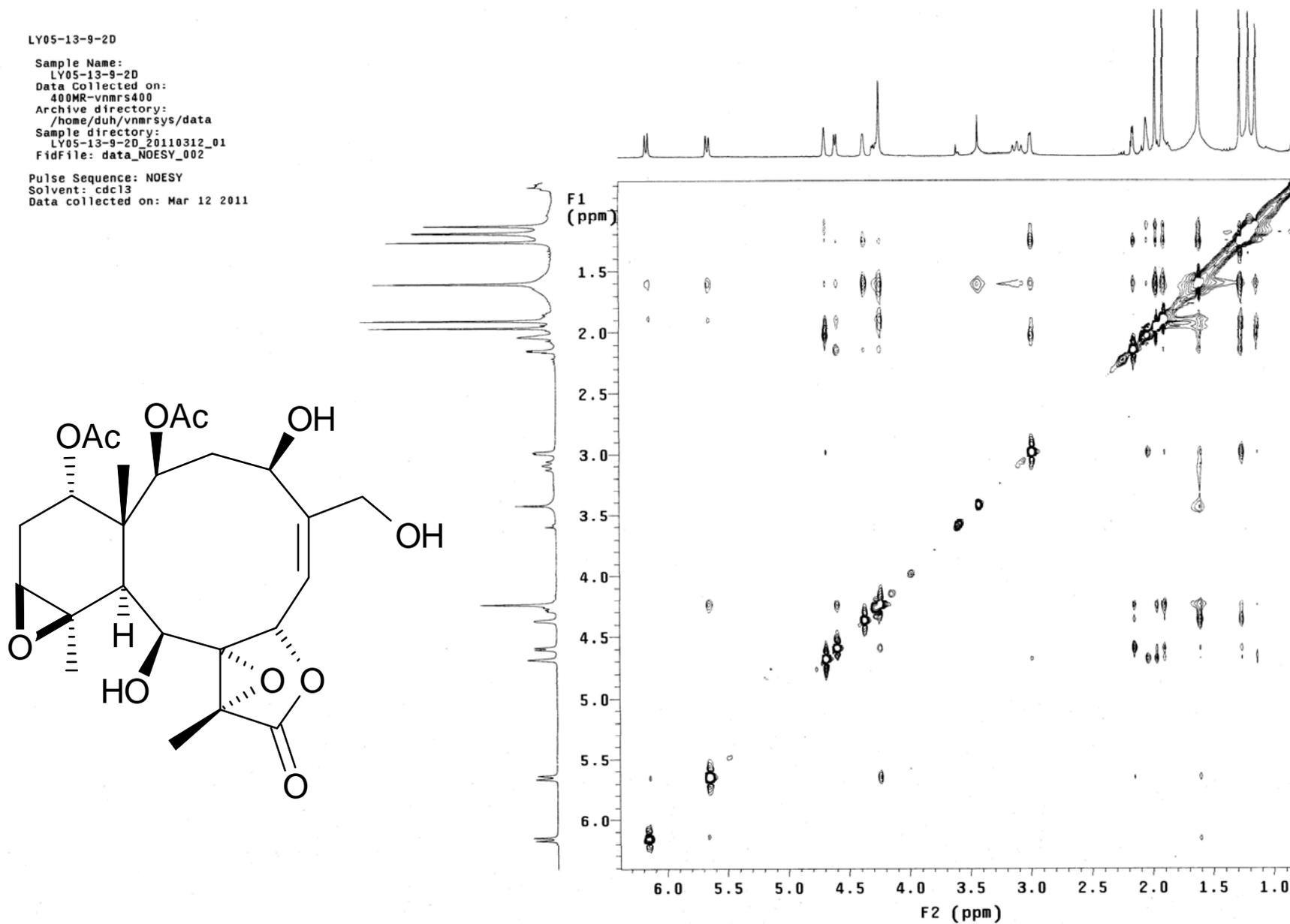


Figure S5. HMBC spectrum (400 MHz) of briacavatolide D (**1**) in CDCl<sub>3</sub>.

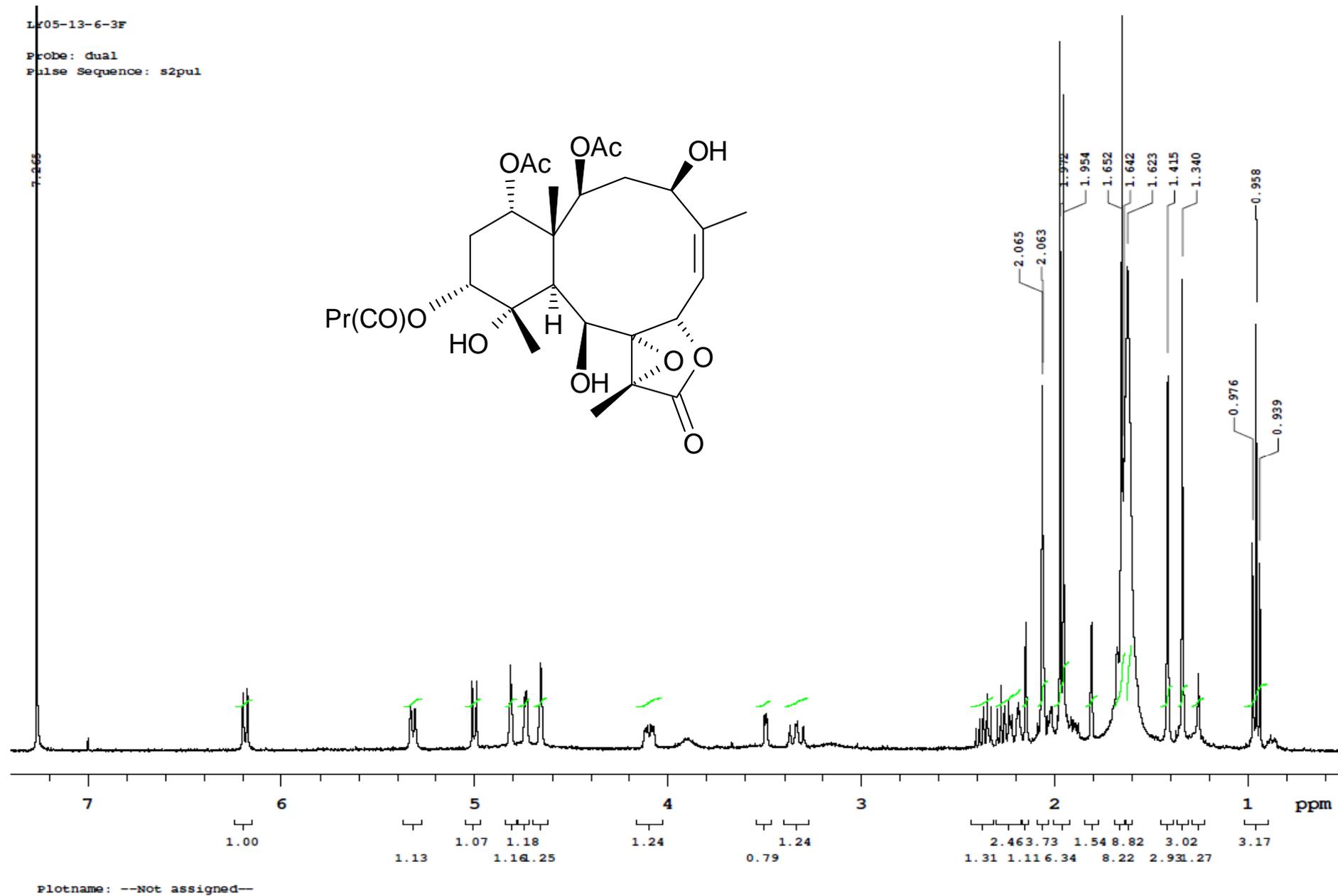
Probe: dual  
Pulse Sequence: gHMBCAD



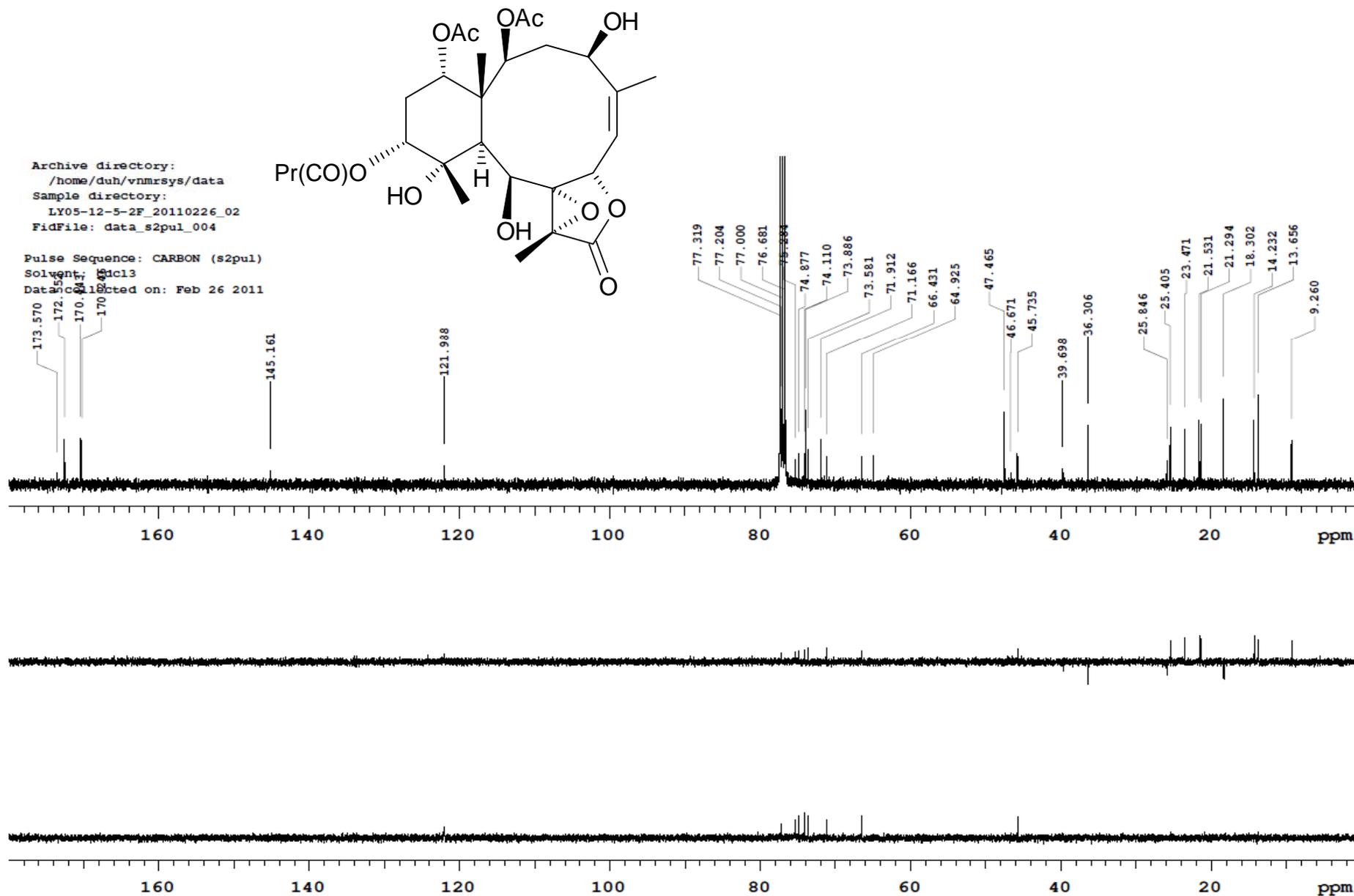
**Figure S6.** NOESY spectrum (400 MHz) of briacavatolide D (**1**) in CDCl<sub>3</sub>.



**Figure S7.**  $^{13}\text{C}$  NMR spectrum (100 MHz) of briacavatolide E (**2**) in  $\text{CDCl}_3$ .



**Figure S8.**  $^{13}\text{C}$  NMR spectrum (100 MHz) of briacavatolide E (**2**) in  $\text{CDCl}_3$ .

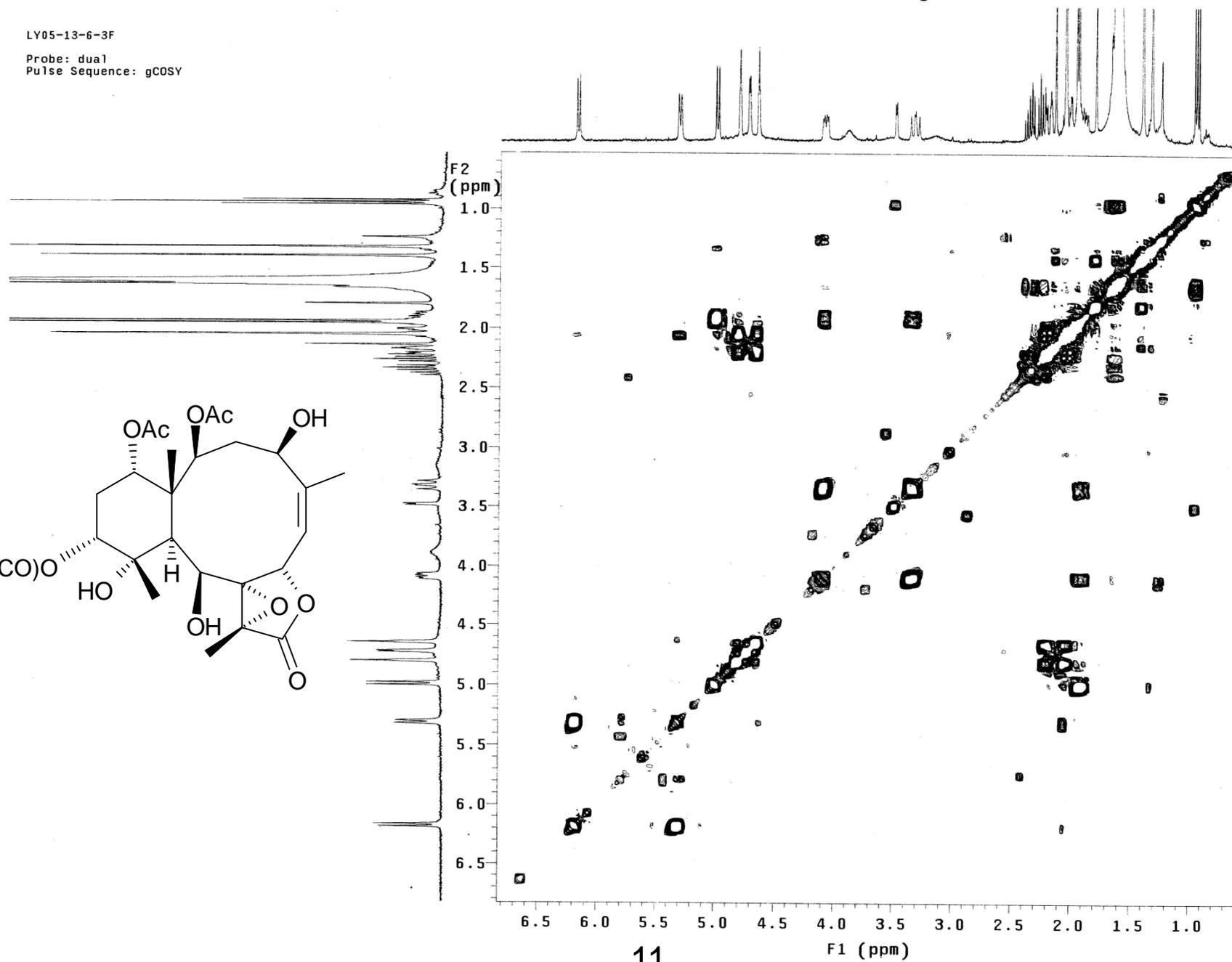
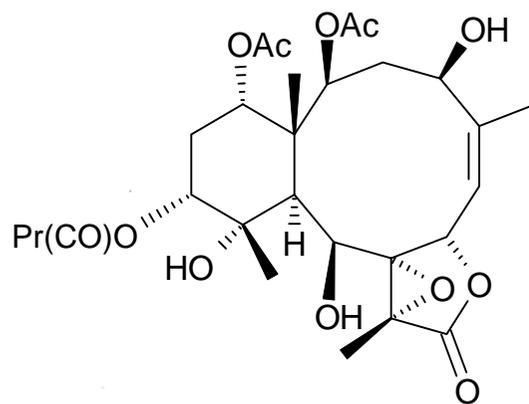


**Figure S9.** COSY spectrum (400 MHz) of briacavatolide E (**2**) in CDCl<sub>3</sub>.

LY05-13-6-3F

Probe: dual

Pulse Sequence: gCOSY

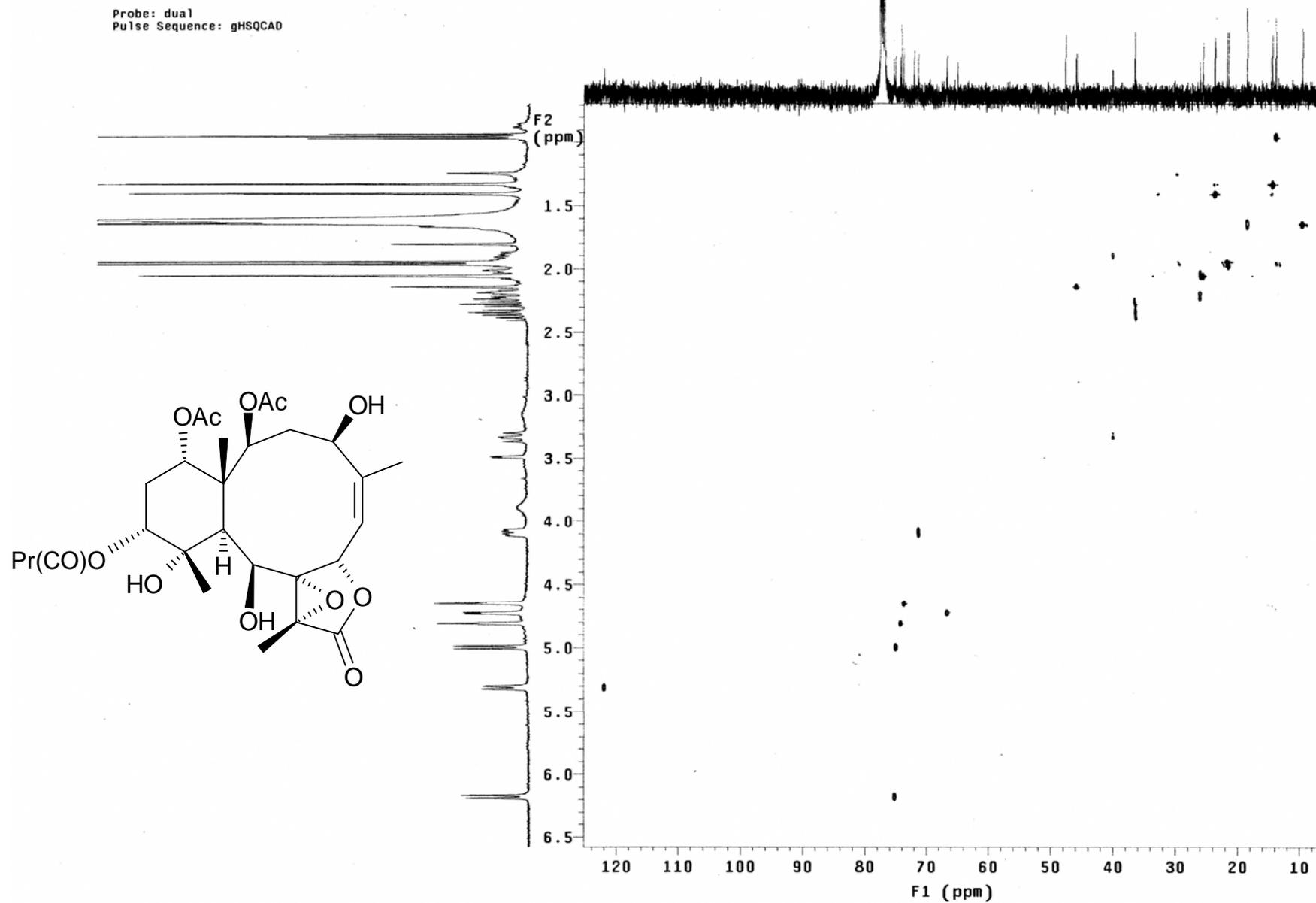


**Figure S10.** HSQC spectrum (400 MHz) of briacavatolide E (**2**) in CDCl<sub>3</sub>.

LY05-13-6-3F

Probe: dual

Pulse Sequence: gHSQCAD

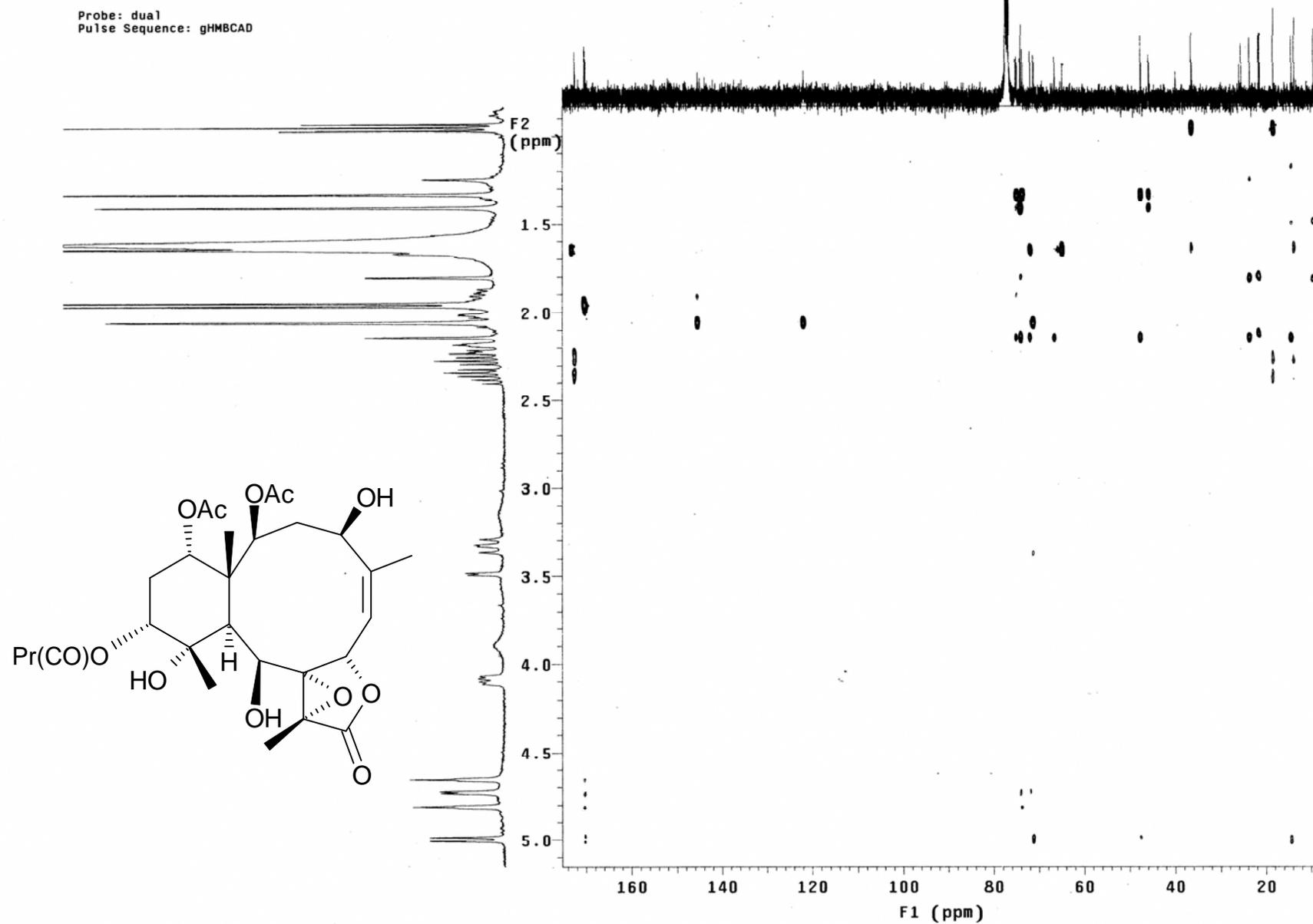


**Figure S11.** HMBC spectrum (400 MHz) of briacavatolide E (**2**) in CDCl<sub>3</sub>.

LY05-13-6-3F

Probe: dual

Pulse Sequence: gHMBCAD

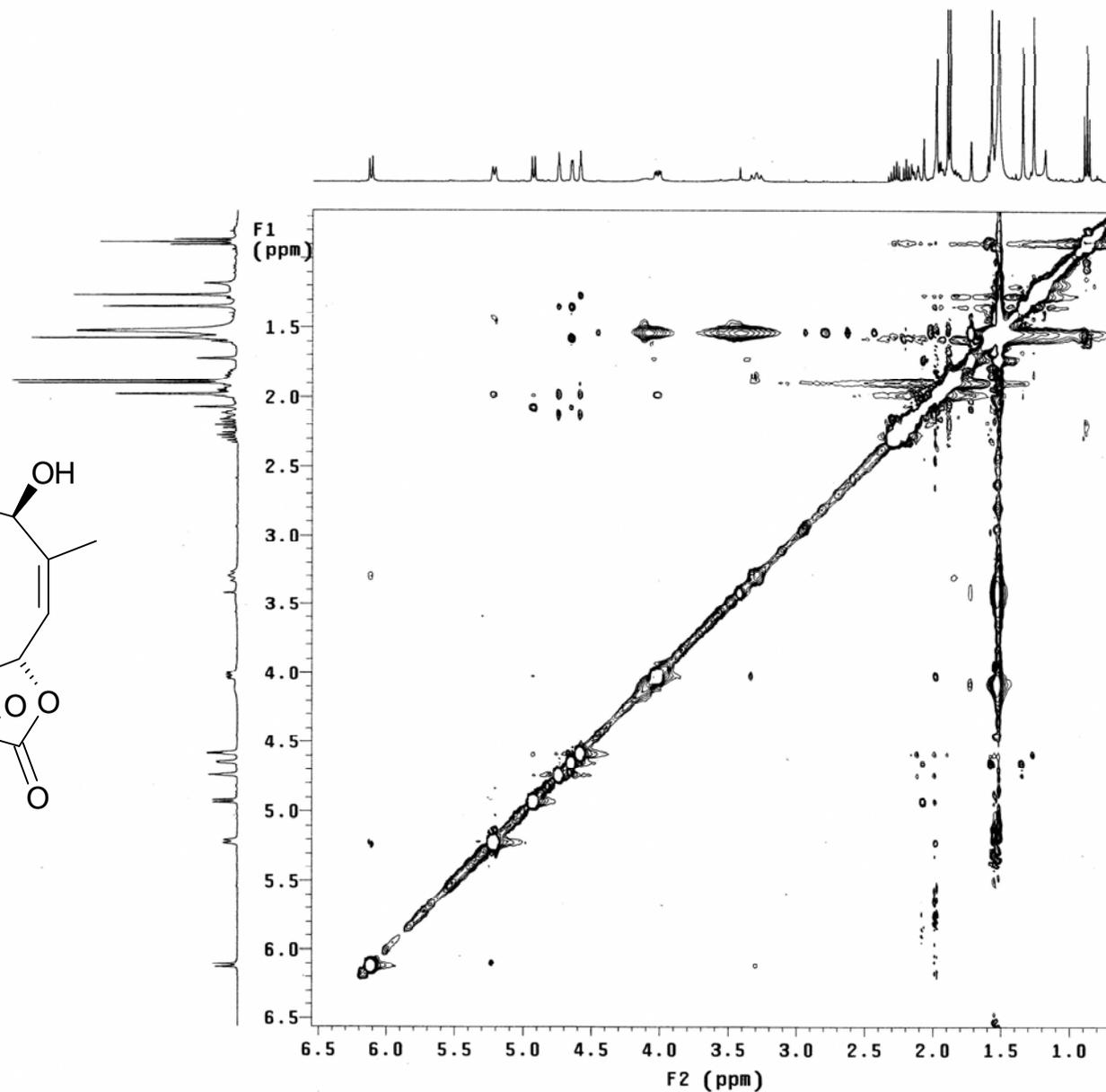
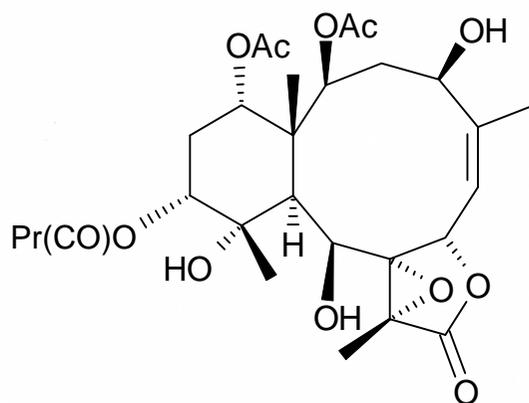


**Figure S12.** NOESY spectrum (400 MHz) of briacavatolide E (**2**) in CDCl<sub>3</sub>.

LY05-13-6-3F

Sample Name:  
LY05-13-6-3F  
Data Collected on:  
400MR-vnmrs400  
Archive directory:  
/home/duh/vnmrsys/data  
Sample directory:  
LY05-13-6-3F\_20110429\_01  
FidFile: data\_NOESY\_001

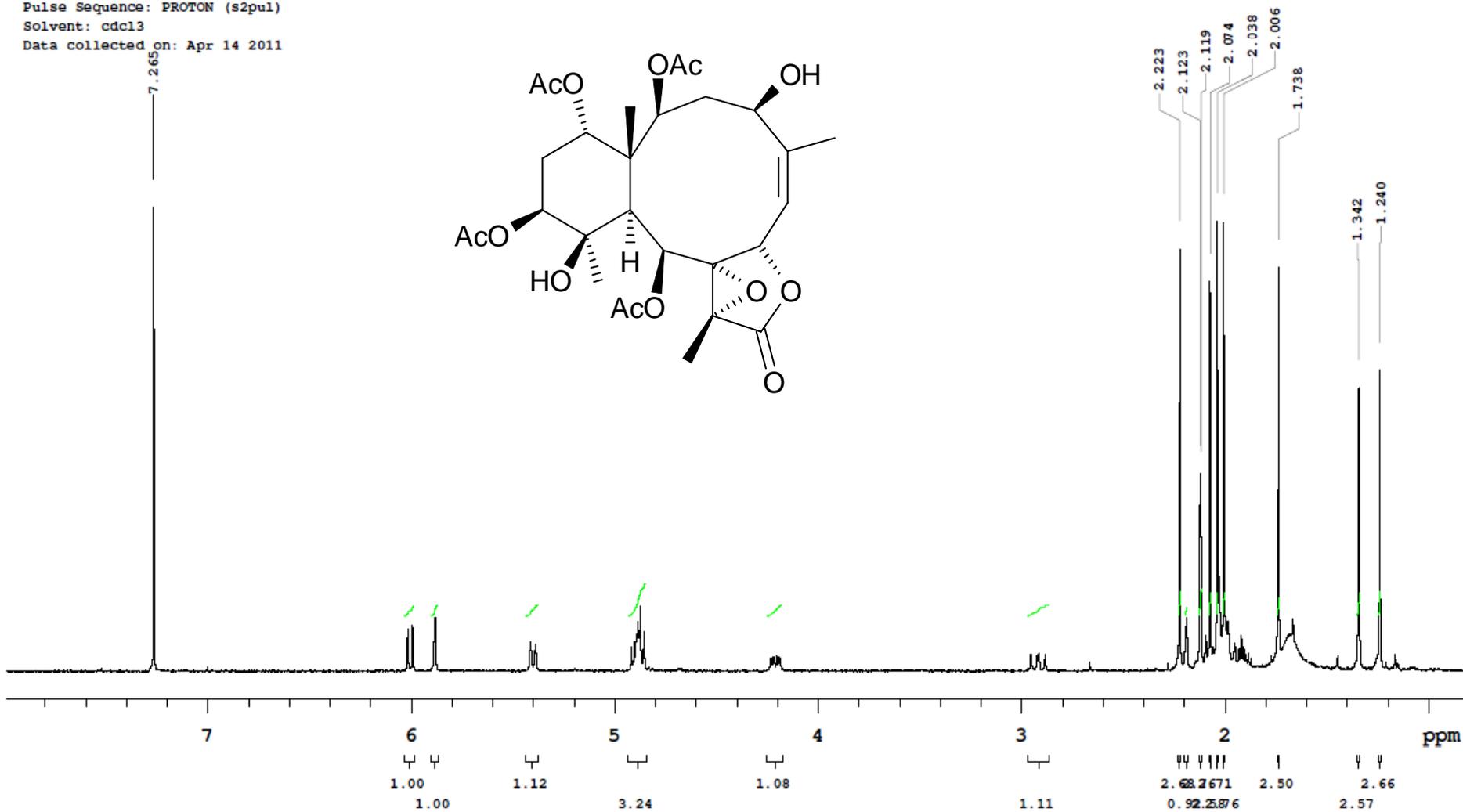
Pulse Sequence: NOESY  
Solvent: cdcl3  
Data collected on: Apr 29 2011



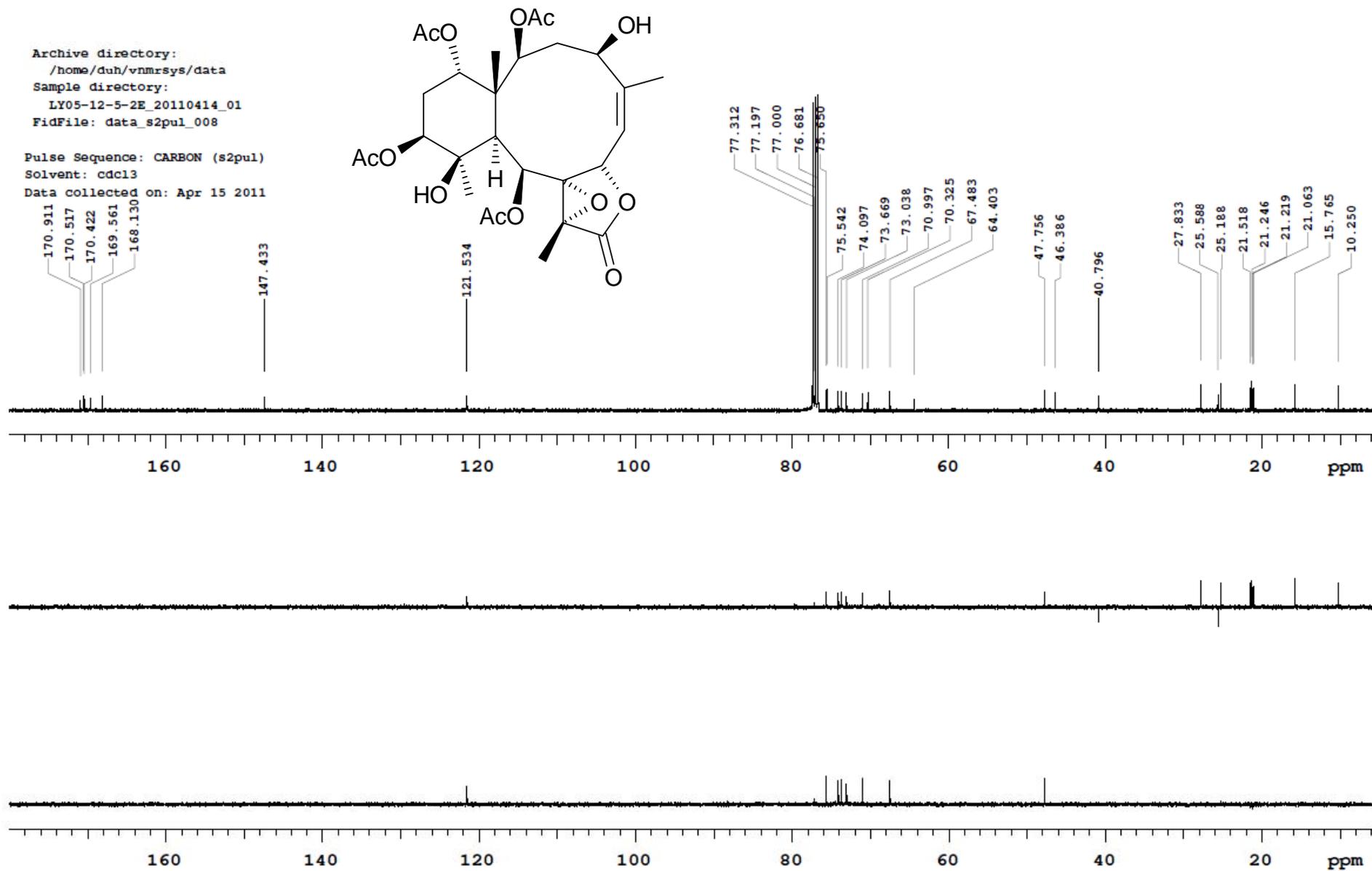
**Figure S13.**  $^1\text{H}$  NMR spectrum (400 MHz) of briacavatolide F (**3**) in  $\text{CDCl}_3$ .

Archive directory:  
/home/duh/vnmrsys/data  
Sample directory:  
LY05-12-5-2E\_20110414\_01  
FidFile: data\_s2pul\_005

Pulse Sequence: PROTON (s2pul)  
Solvent: cdcl3  
Data collected on: Apr 14 2011



**Figure S14.**  $^{13}\text{C}$  NMR spectrum (100 MHz) of briacavatolide F (**3**) in  $\text{CDCl}_3$ .

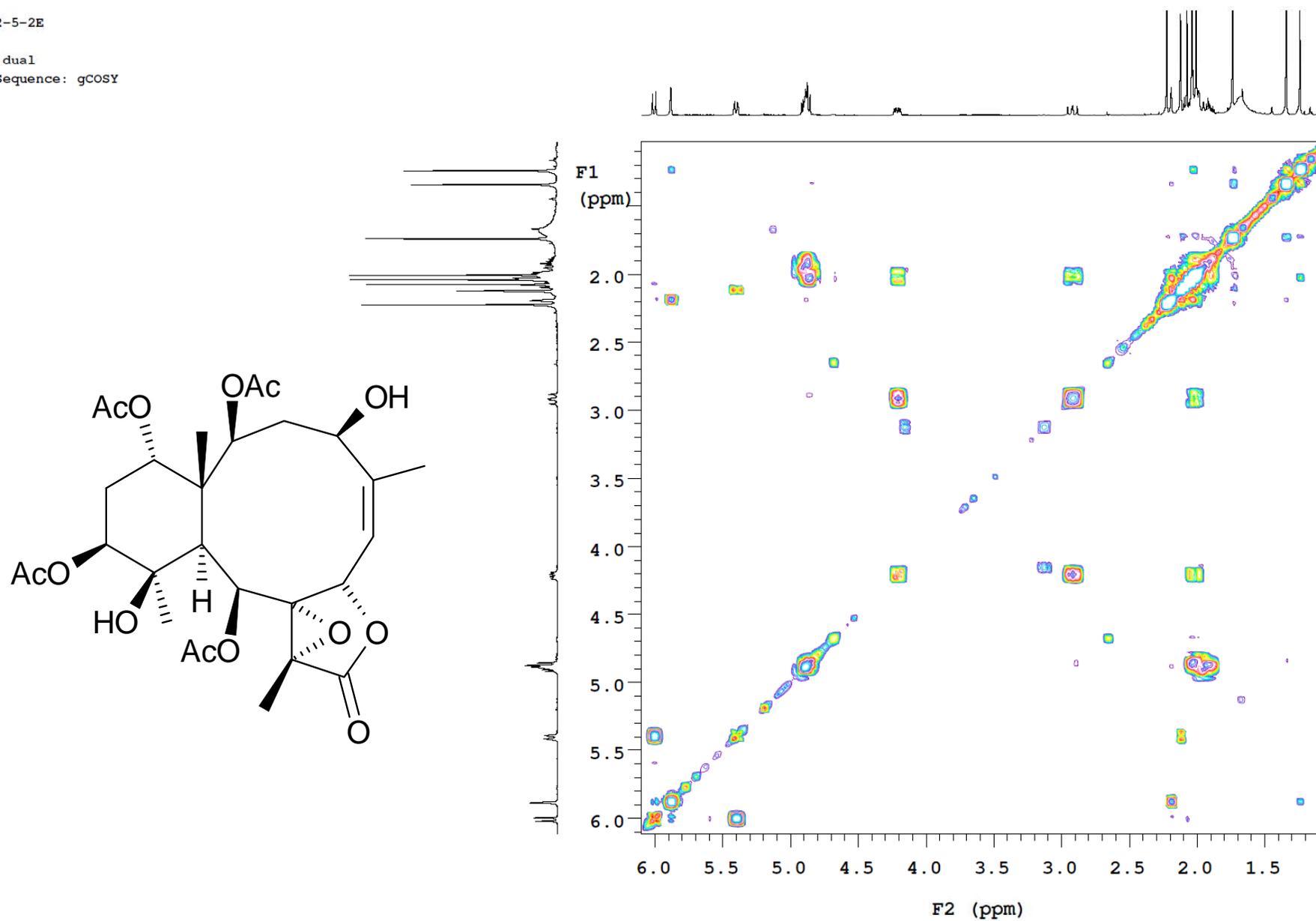


**Figure S15.** COSY spectrum (400 MHz) of briacavatulide F (**3**) in CDCl<sub>3</sub>.

LY05-12-5-2E

Probe: dual

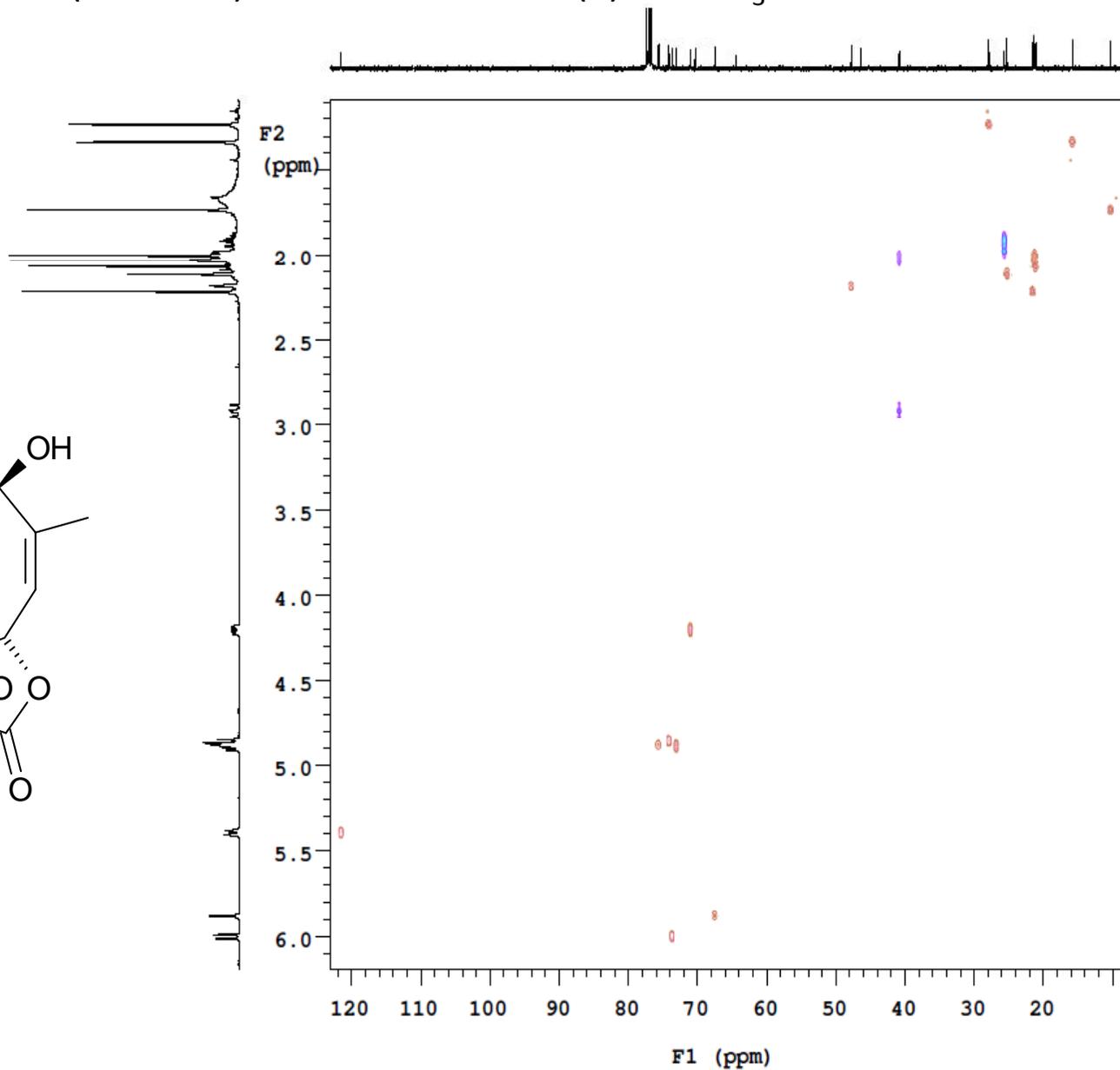
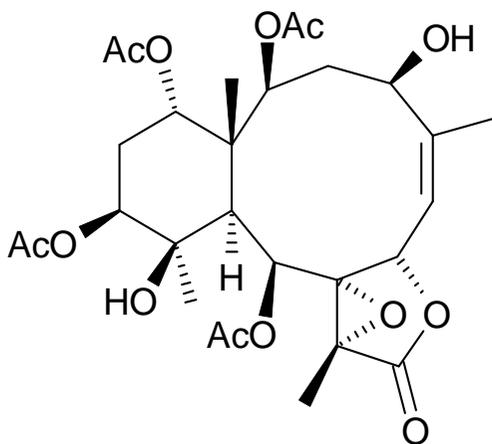
Pulse Sequence: gCOSY



**Figure S16.** HSQC spectrum (400 MHz) of briacavatolide F (**3**) in CDCl<sub>3</sub>.

Archive directory:  
/home/duh/vnmrsys/data  
Sample directory:  
LY05-12-5-2E\_20110414\_01  
Fidfile: data\_gHSQCAD\_001

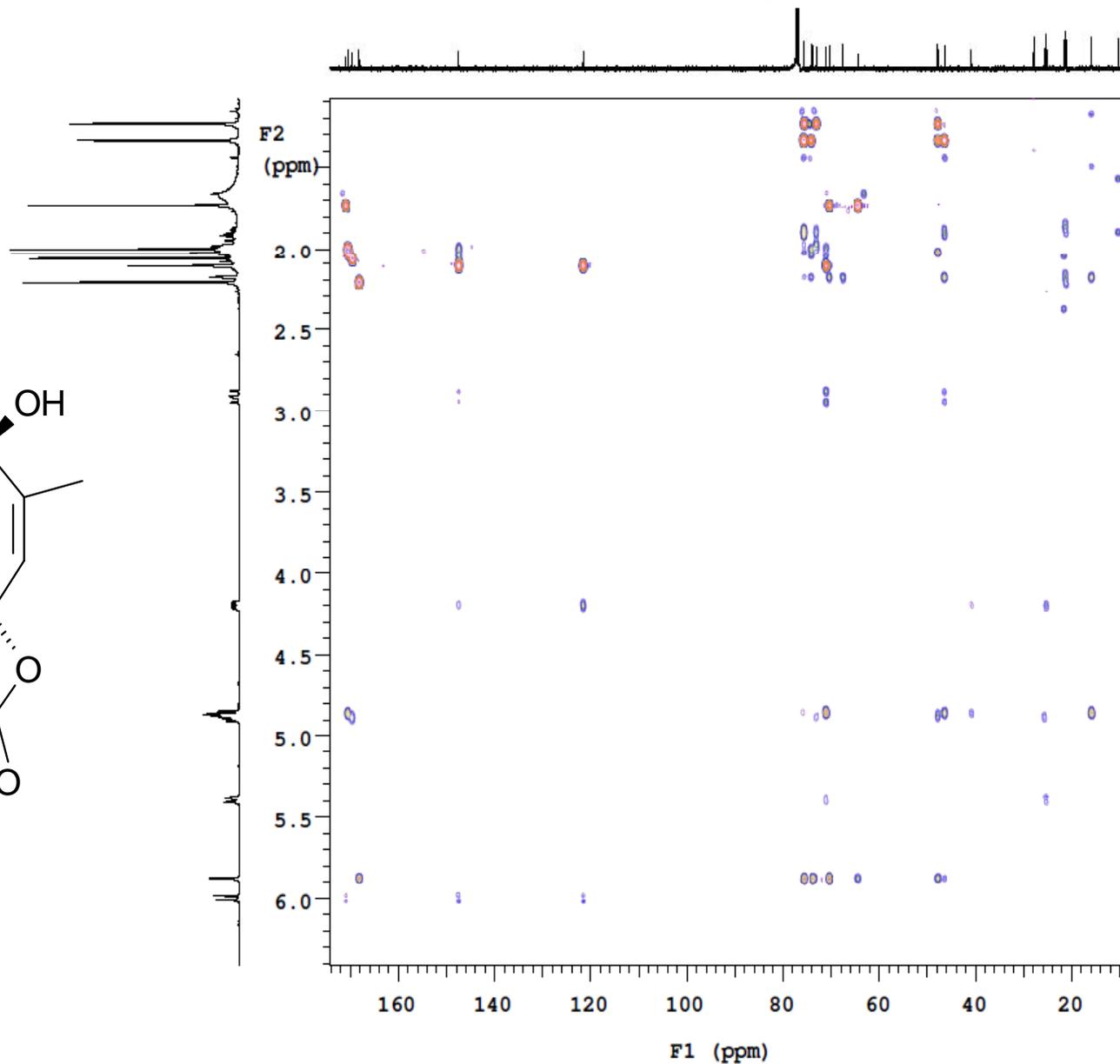
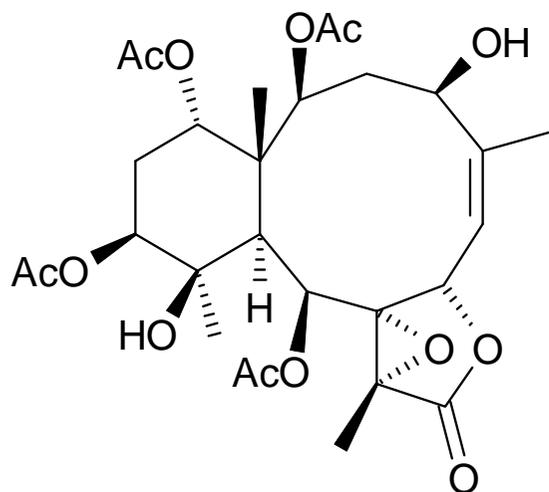
Pulse Sequence: gHSQCAD  
Solvent: cdcl3  
Data collected on: Apr 15 2011



**Figure S17.** HMBC spectrum (400 MHz) of briacavatolide F (**3**) in CDCl<sub>3</sub>.

Archive directory:  
/home/duh/vnmrsys/data  
Sample directory:  
LY05-12-5-2E\_20110416\_01  
FidFile: data\_gHMBCAD\_001

Pulse Sequence: gHMBCAD  
Solvent: cdcl3  
Data collected on: Apr 16 2011



**Figure S18.** NOESY spectrum (400 MHz) of briacavatolide F (**3**) in CDCl<sub>3</sub>.

Archive directory:  
/home/duh/vnmrsys/data  
Sample directory:  
LY05-12-5-2E\_20110414\_01  
FidFile: data\_NOESY\_001

Pulse Sequence: NOESY  
Solvent: cdcl3  
Data collected on: Apr 14 2011

