

## Supporting Information

# Synthesis and Cytotoxic Evaluation of Sanjoseolide and Representative Analogues

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## 1. $^1\text{H}$ and $^{13}\text{C}$ NMR spectra of 1-11

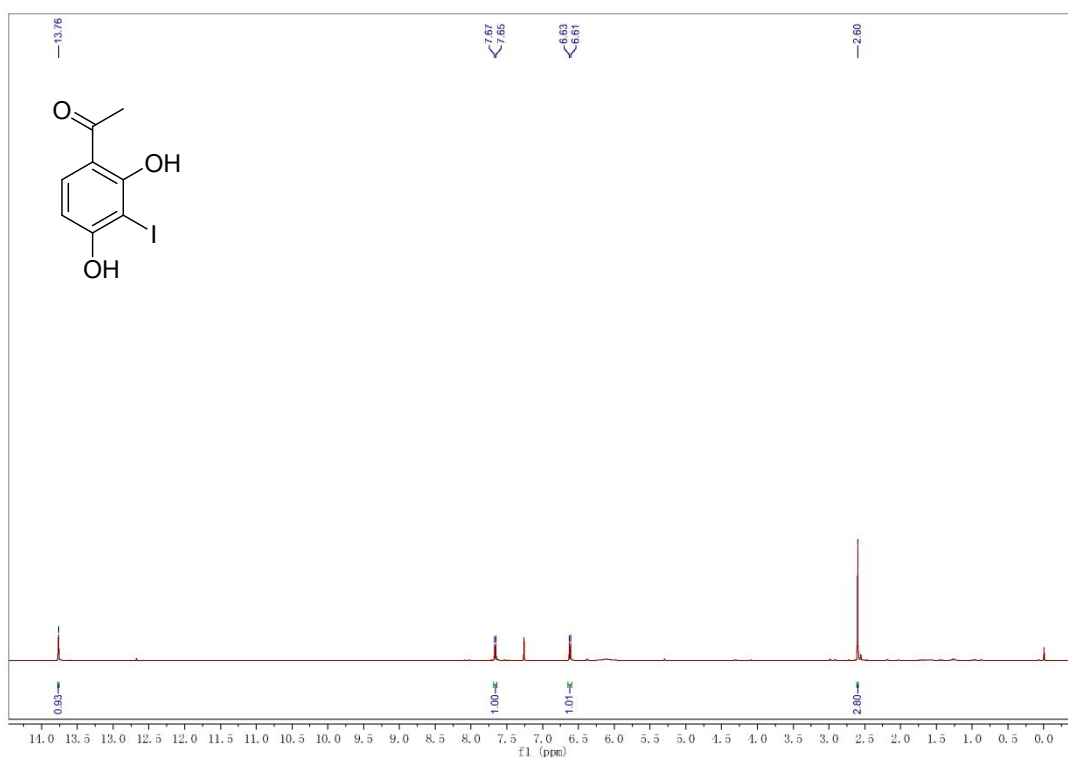


Figure S1:  $^1\text{H}$  NMR spectrum of **3** (500 MHz,  $\text{CDCl}_3$ )

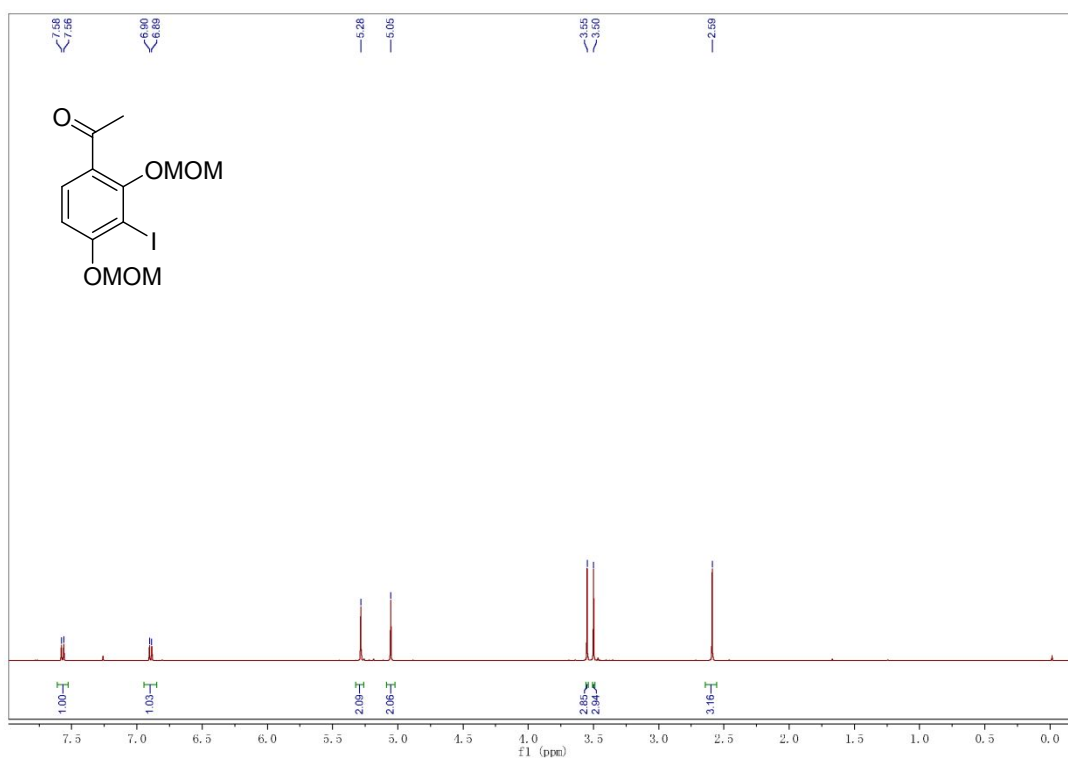


Figure S2:  $^1\text{H}$  NMR spectrum of **4** (500 MHz,  $\text{CDCl}_3$ )

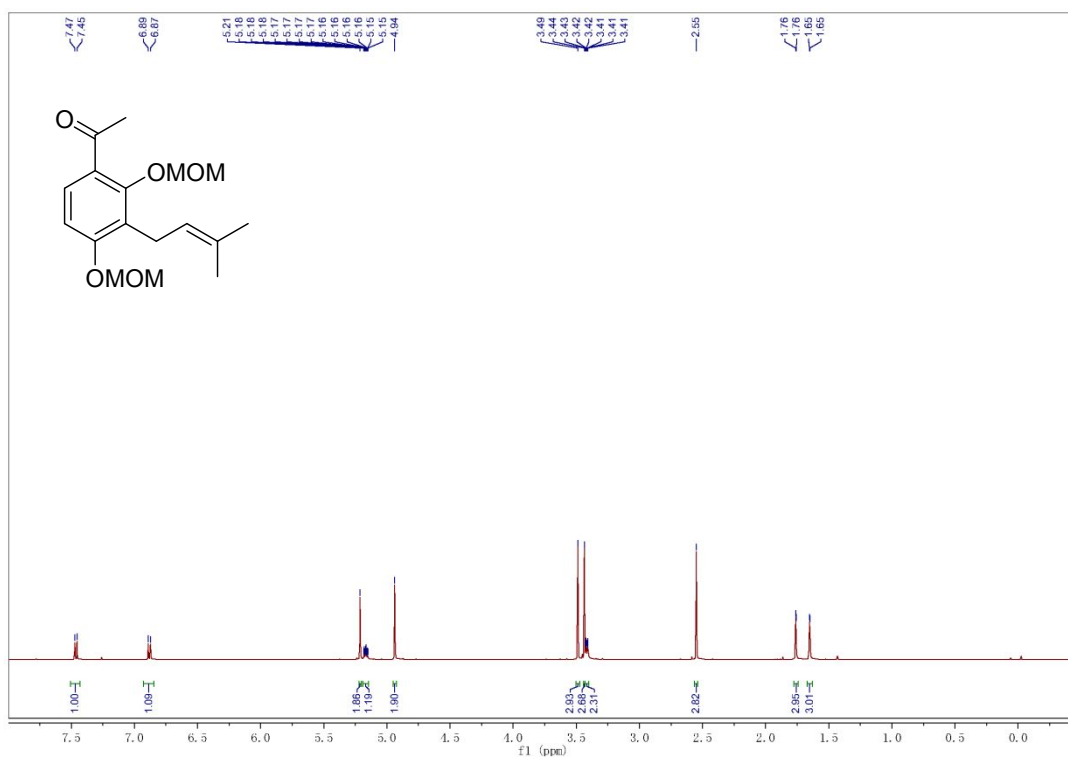


Figure S3:  $^1\text{H}$  NMR spectrum of **5** (500 MHz,  $\text{CDCl}_3$ )

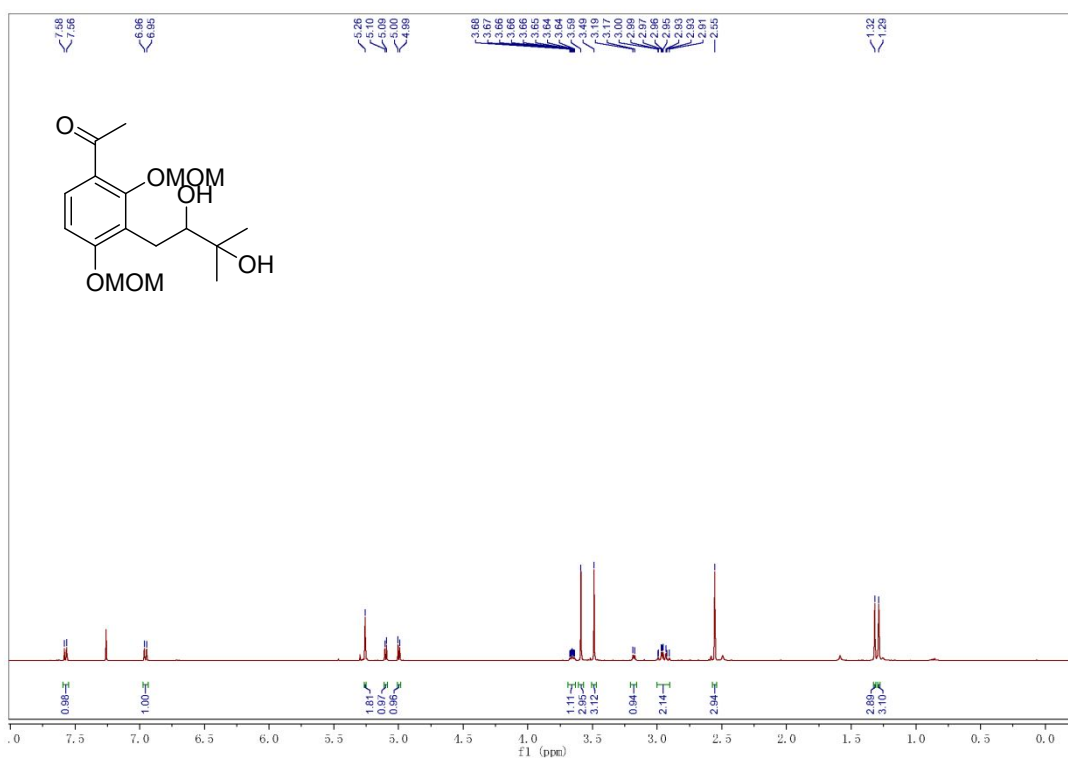


Figure S4:  $^1\text{H}$  NMR spectrum of **6** (500 MHz,  $\text{CDCl}_3$ )

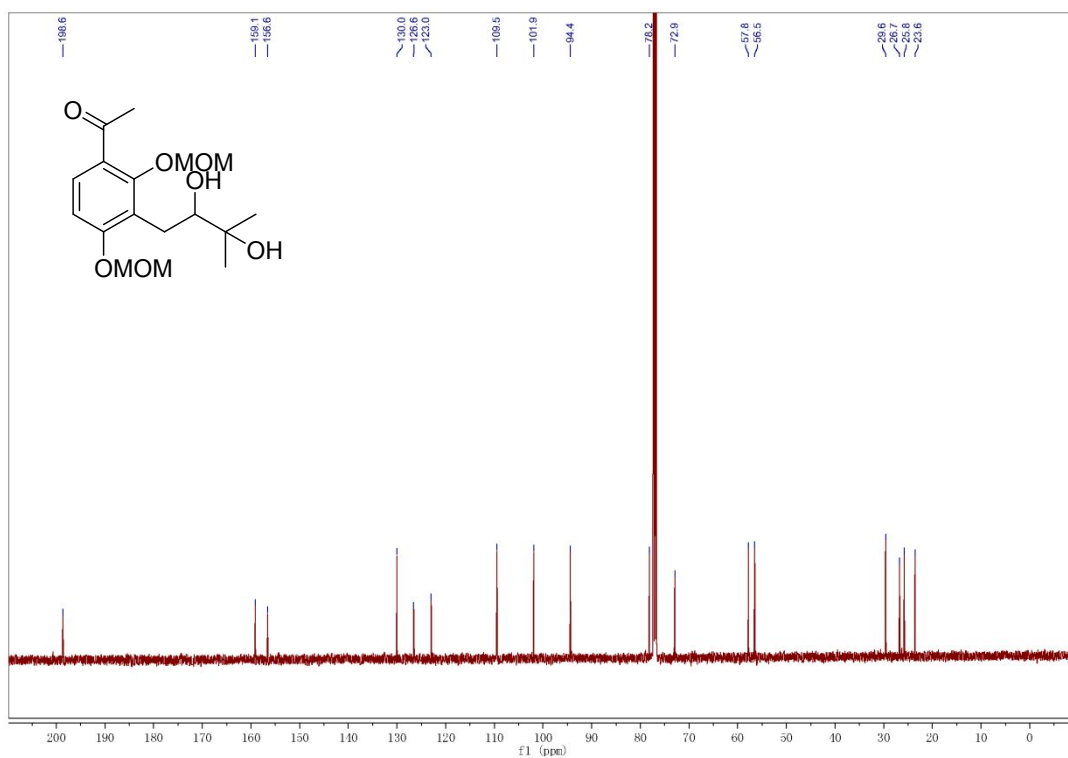


Figure S5:  $^{13}\text{C}$  NMR spectrum of 6 (125 MHz,  $\text{CDCl}_3$ )

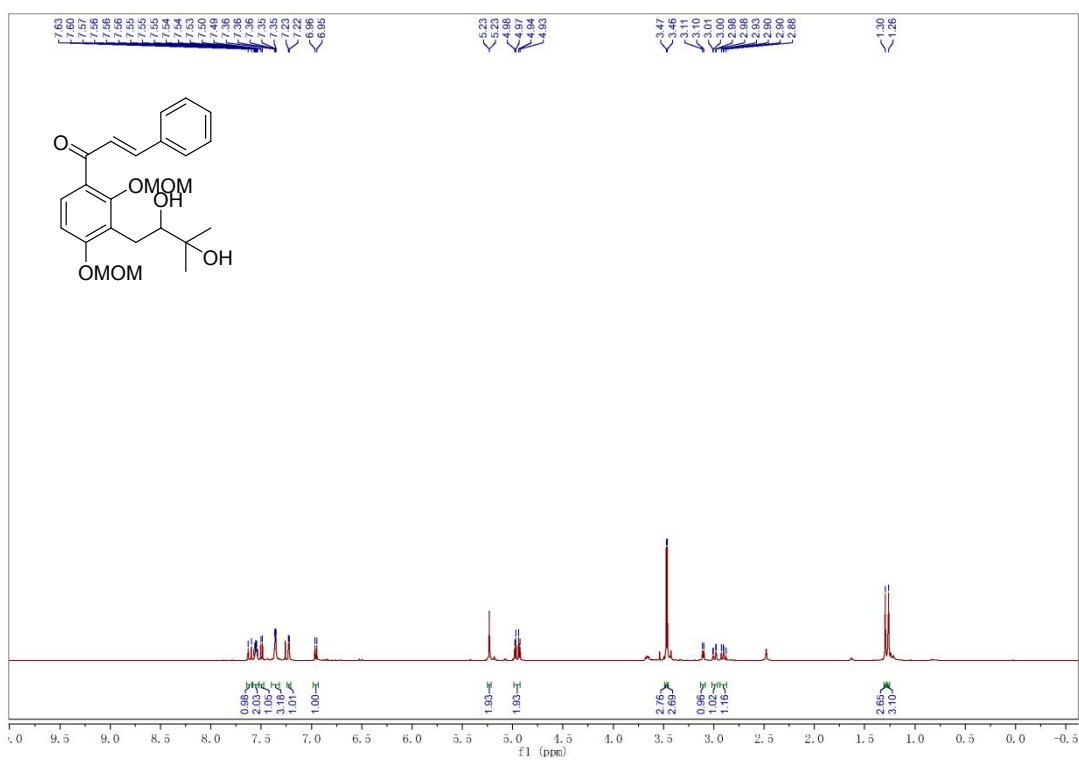


Figure S6:  $^1\text{H}$  NMR spectrum of 7a (500 MHz,  $\text{CDCl}_3$ )

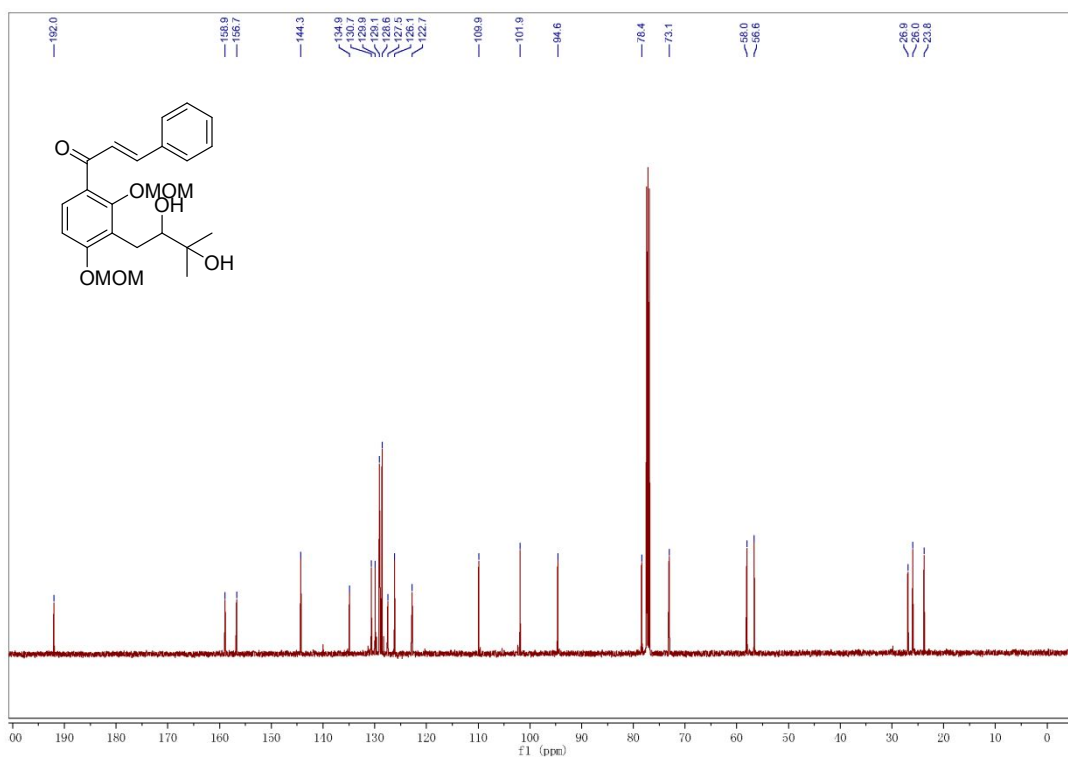


Figure S7: <sup>13</sup>C NMR spectrum of 7a (125 MHz, CDCl<sub>3</sub>)

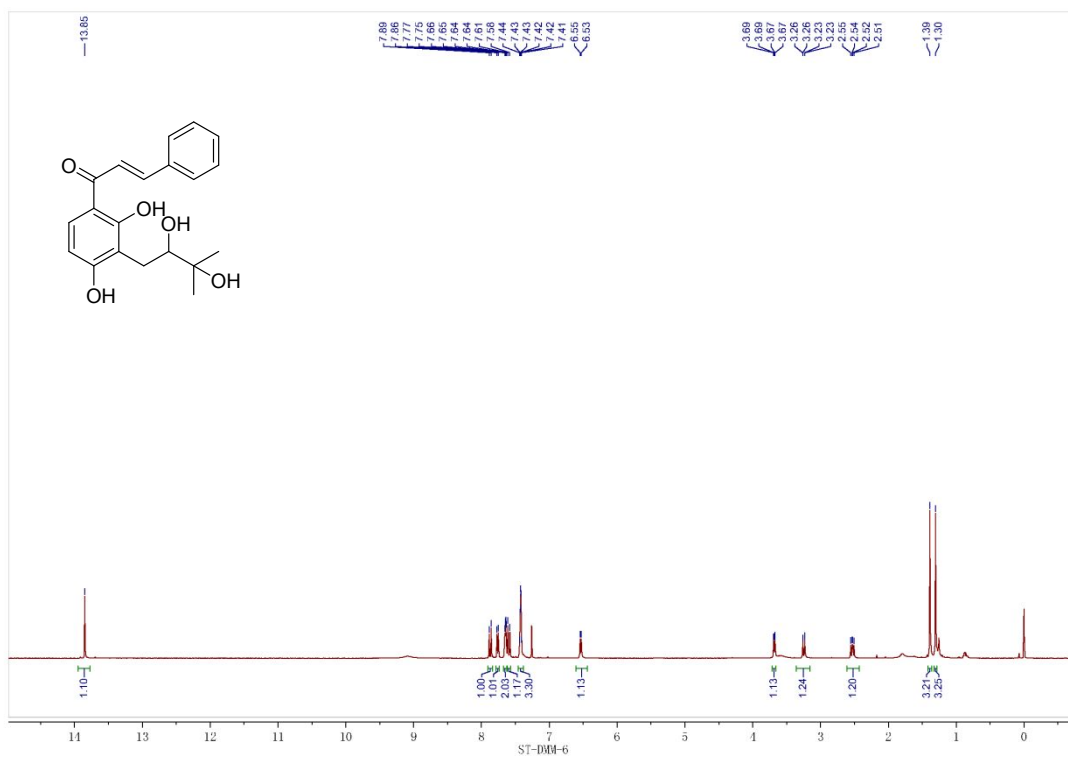


Figure S8: <sup>1</sup>H NMR spectrum of 1 (500 MHz, CDCl<sub>3</sub>)

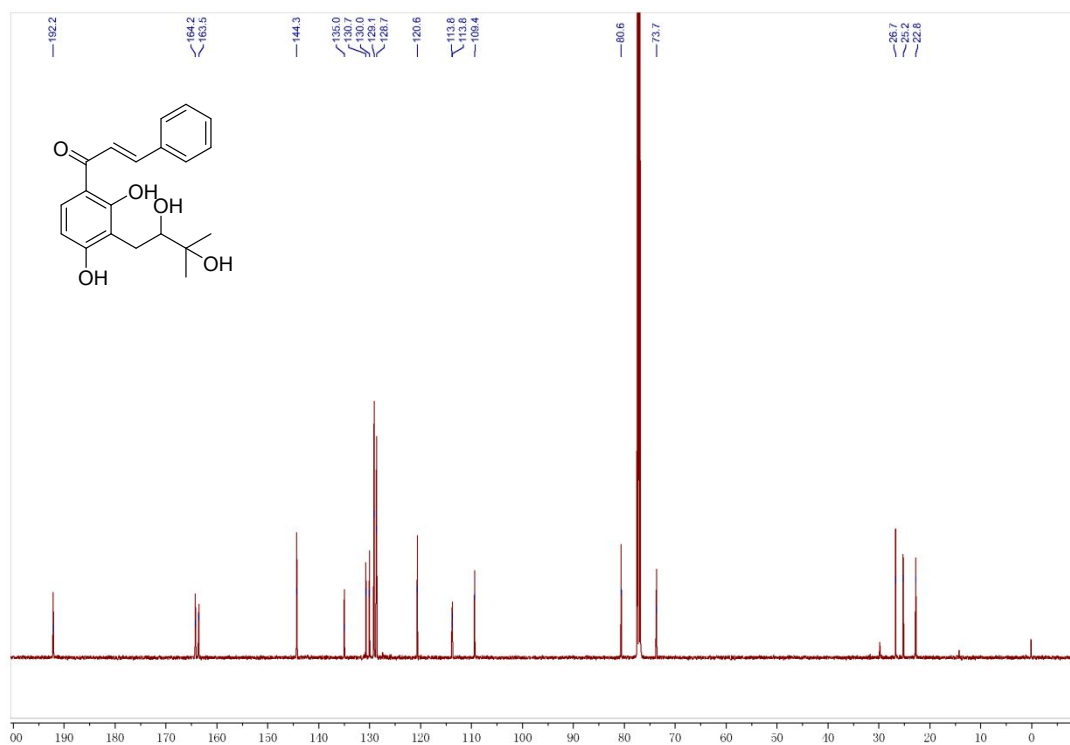


Figure S9: <sup>13</sup>C NMR spectrum of **1** (125 MHz, CDCl<sub>3</sub>)

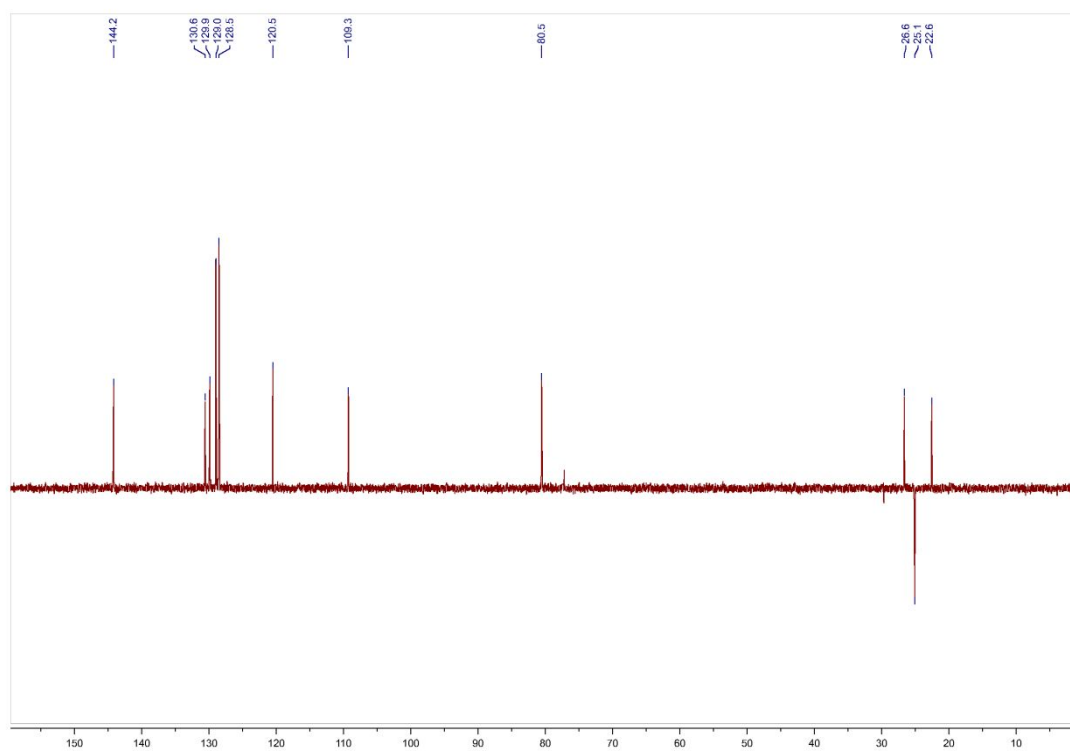


Figure S10: DEPT135 spectrum of **1** in CDCl<sub>3</sub>

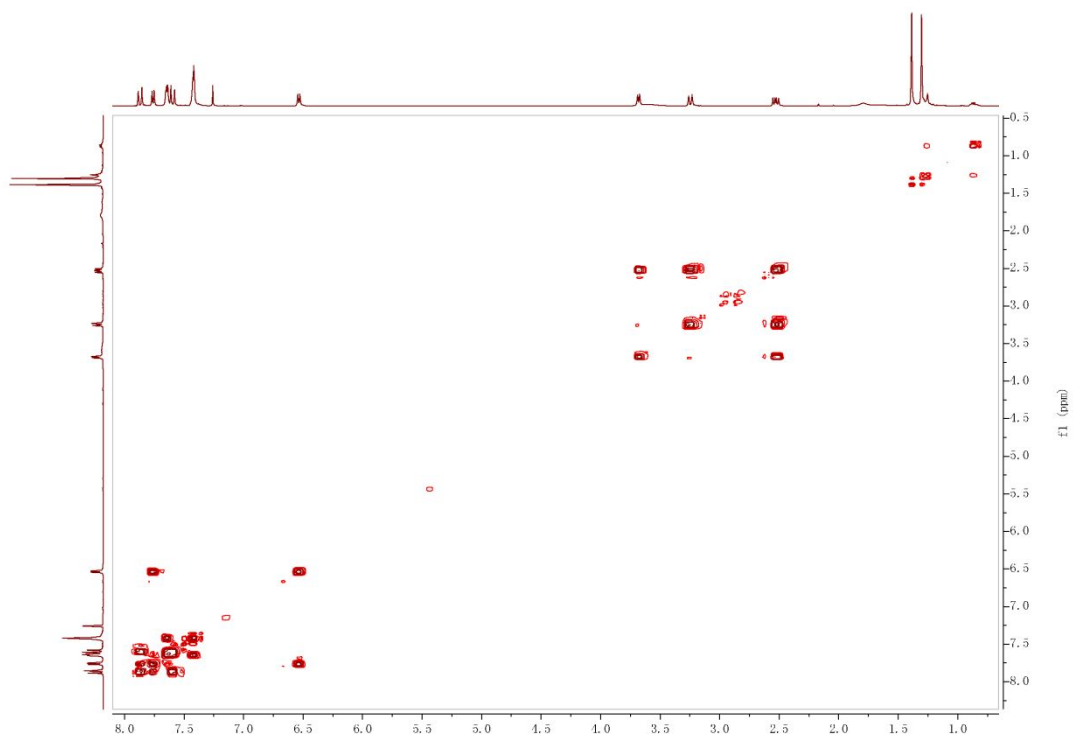


Figure S11:  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **1** in  $\text{CDCl}_3$

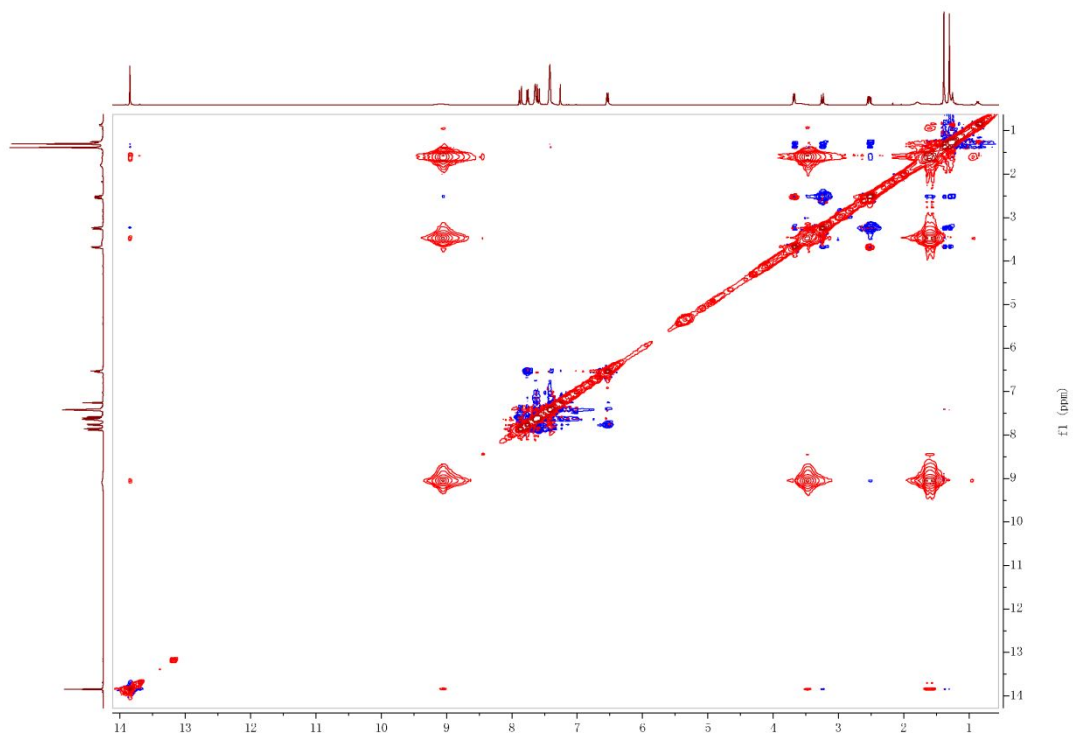


Figure S12: NOESY spectrum of **1** in  $\text{CDCl}_3$

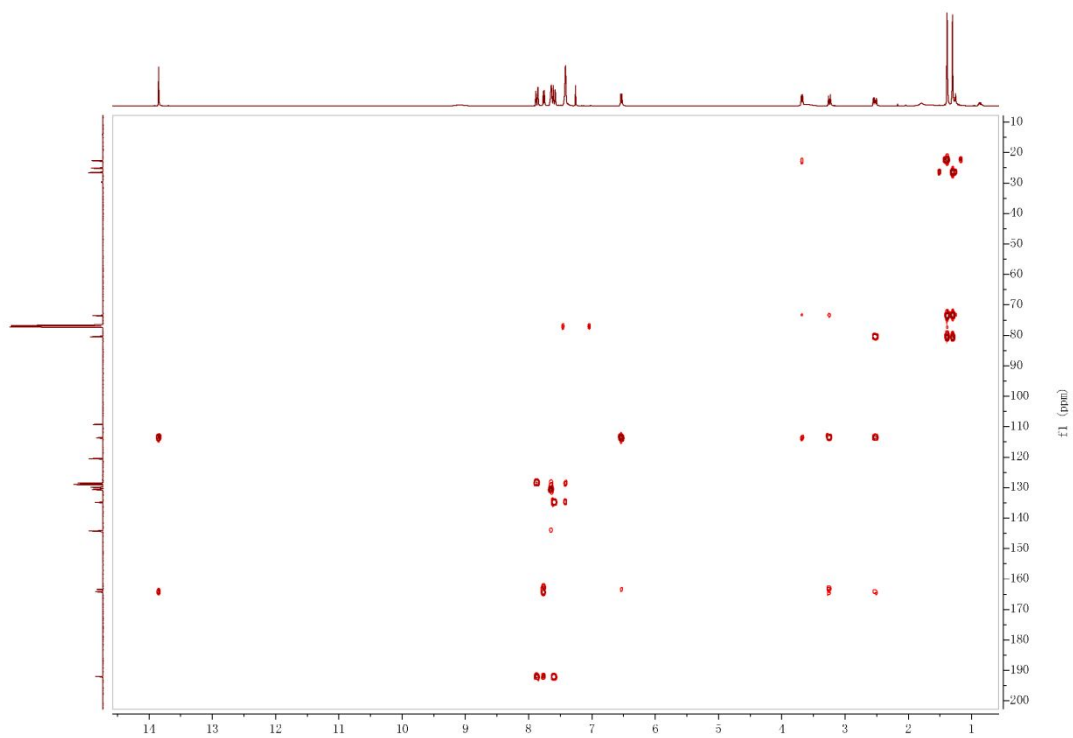


Figure S13: HMBC spectrum of **1** in CDCl<sub>3</sub>

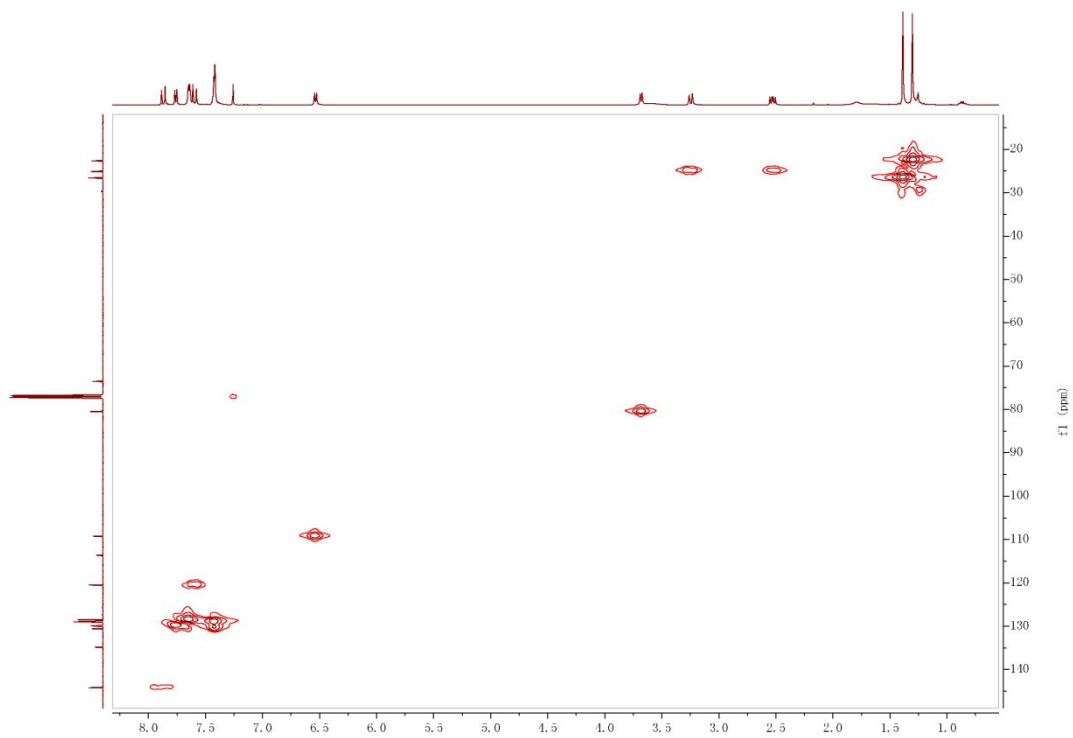


Figure S14: HMQC spectrum of **1** in CDCl<sub>3</sub>



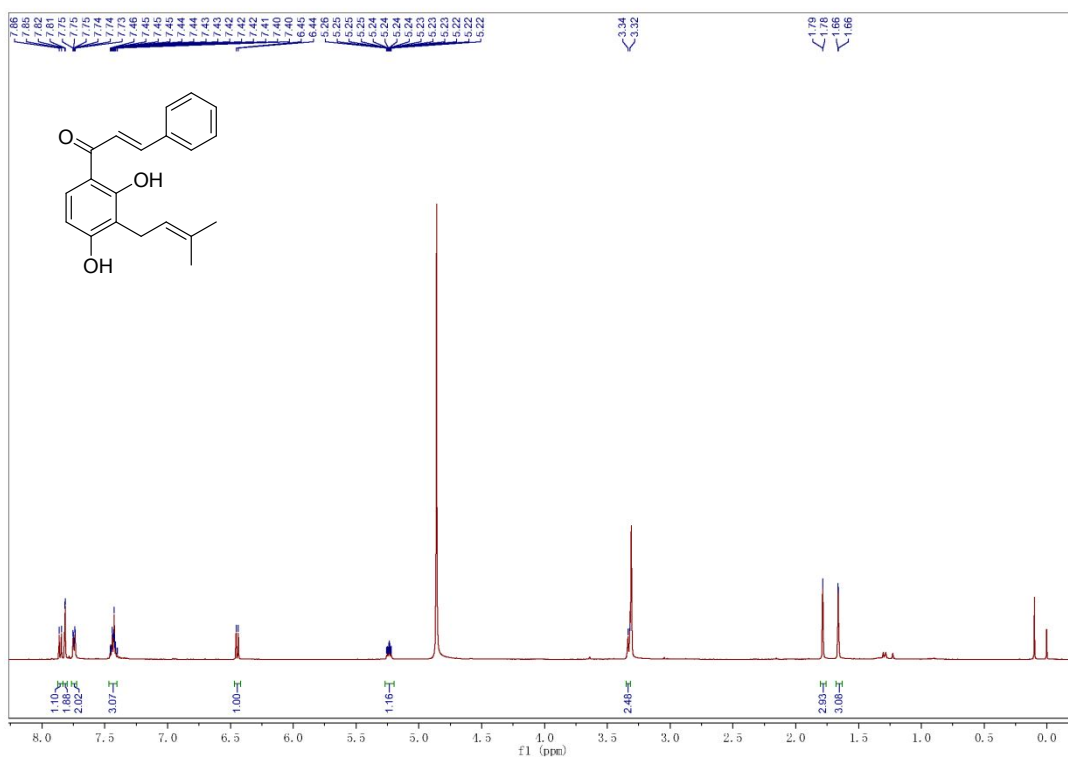


Figure S15:  $^1\text{H}$  NMR spectrum of **10** (500 MHz,  $\text{CD}_3\text{OD}$ )

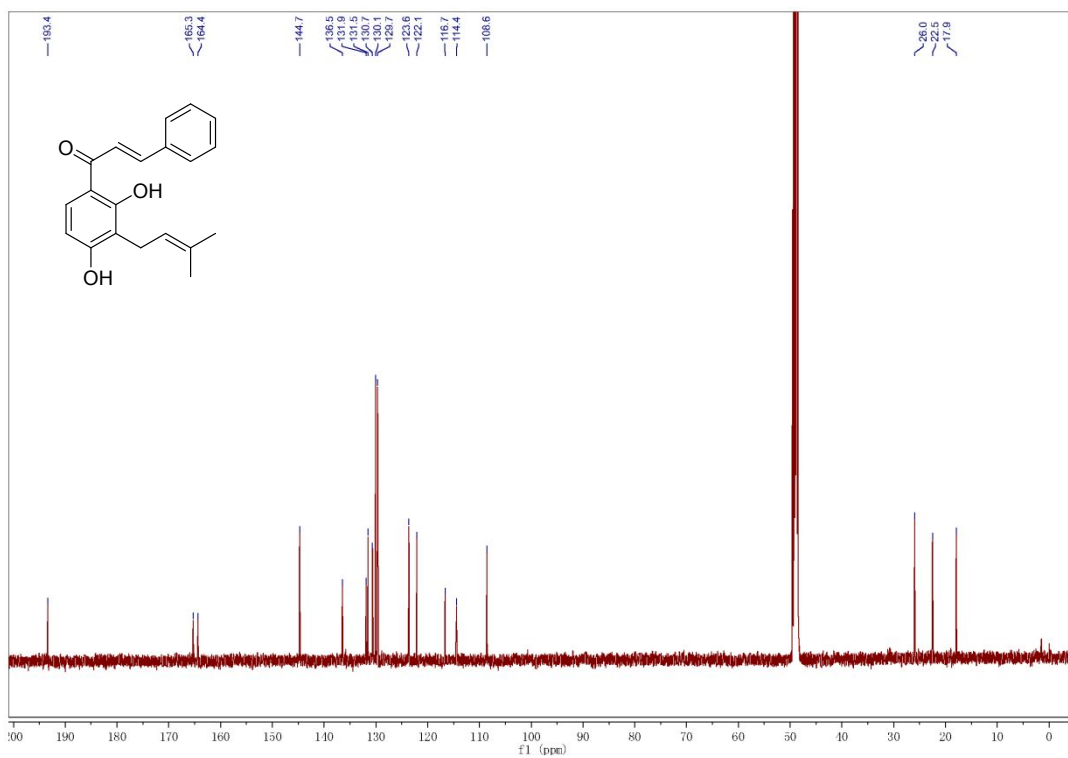


Figure S16:  $^{13}\text{C}$  NMR spectrum of **10** (125 MHz,  $\text{CD}_3\text{OD}$ )

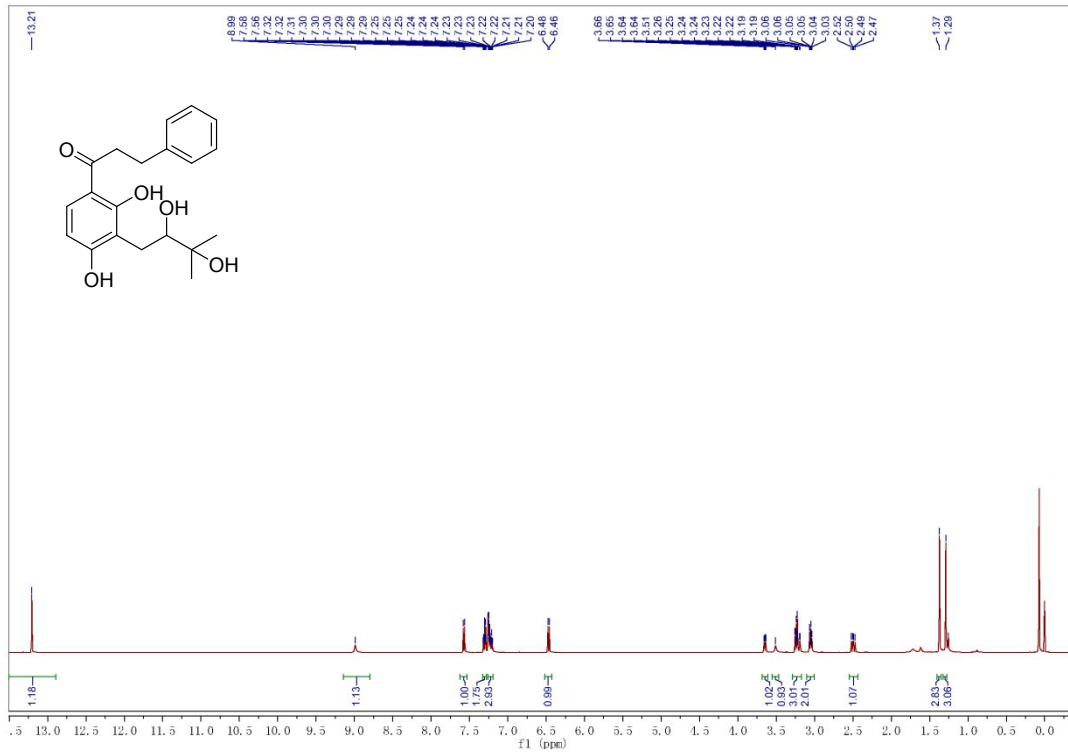


Figure S17: <sup>1</sup>H NMR spectrum of **11** (500 MHz, CDCl<sub>3</sub>)

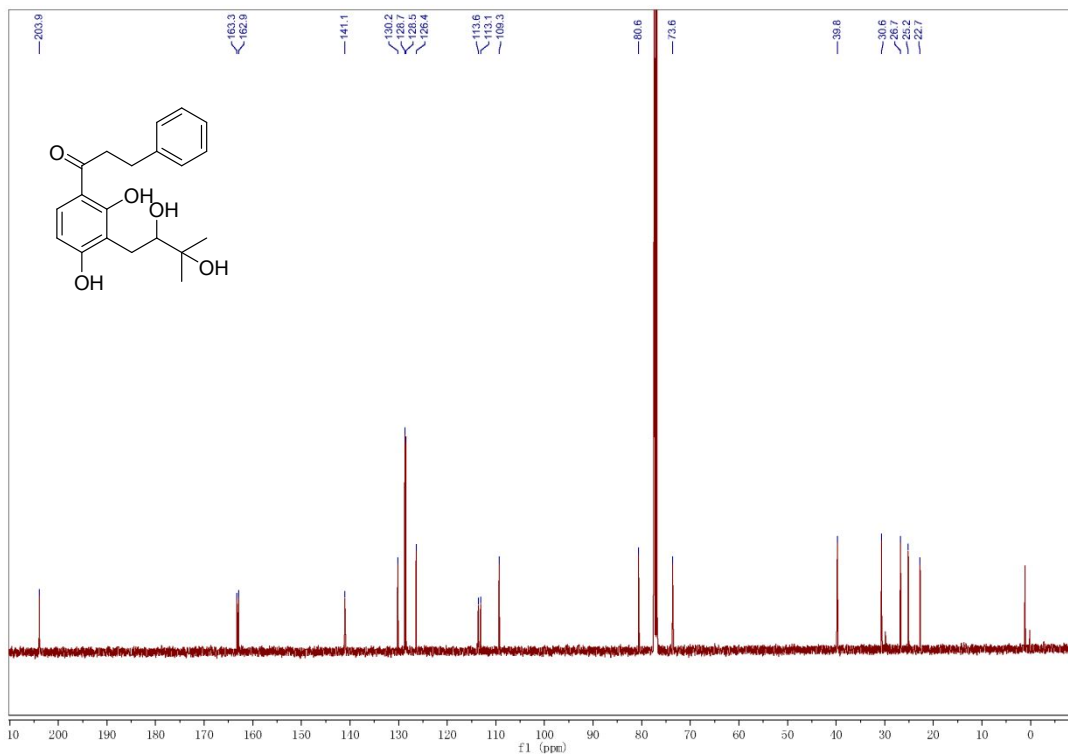


Figure S18: <sup>13</sup>C NMR spectrum of **11** (125 MHz, CDCl<sub>3</sub>)

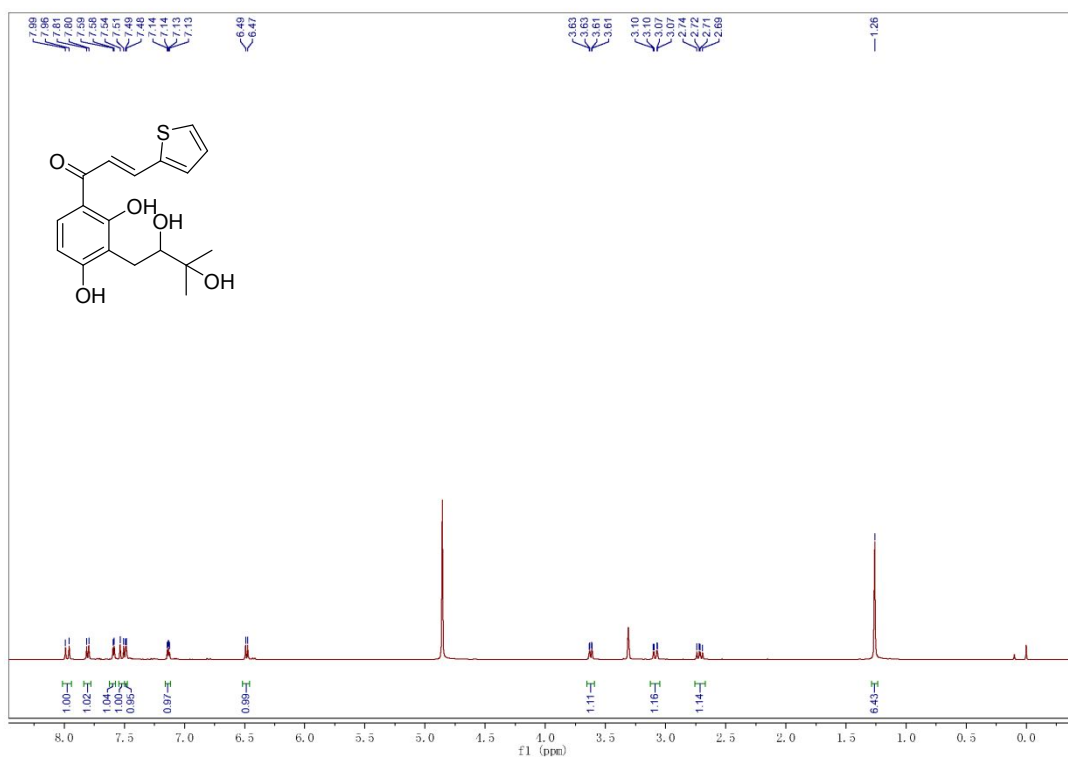


Figure S19: <sup>1</sup>H NMR spectrum of **8b** (500 MHz, CD<sub>3</sub>OD)

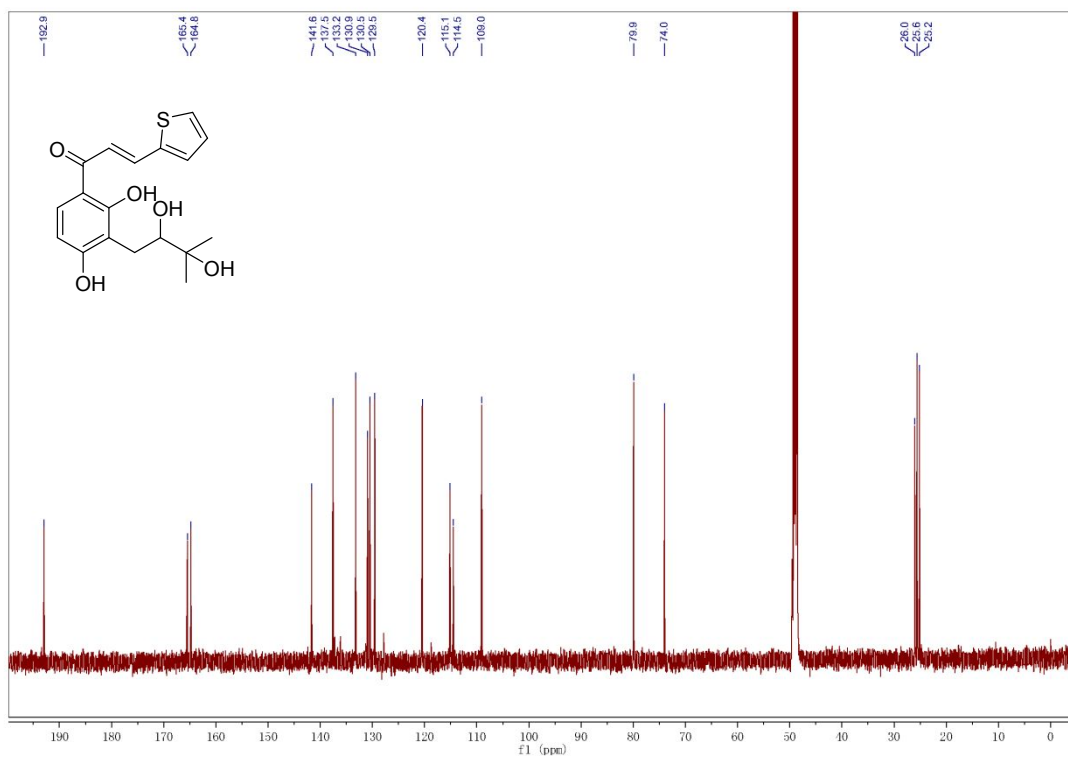


Figure S20: <sup>13</sup>C NMR spectrum of **8b** (125 MHz, CD<sub>3</sub>OD)

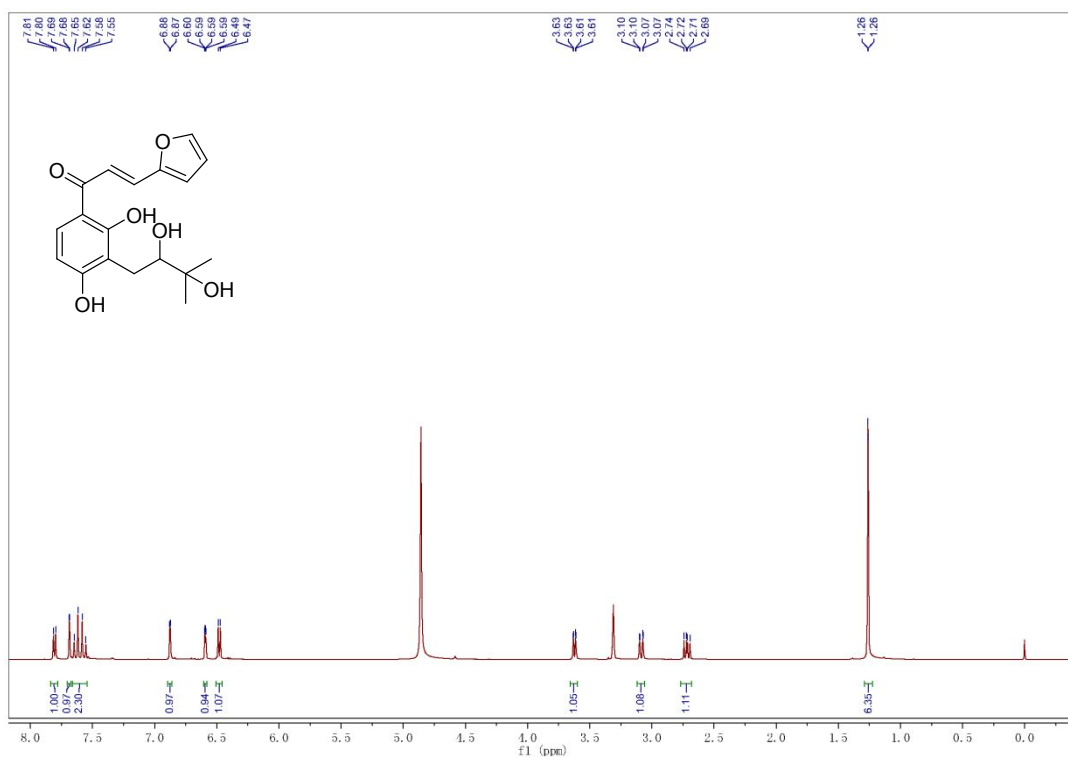


Figure S21: <sup>1</sup>H NMR spectrum of **8c** (500 MHz, CD<sub>3</sub>OD)

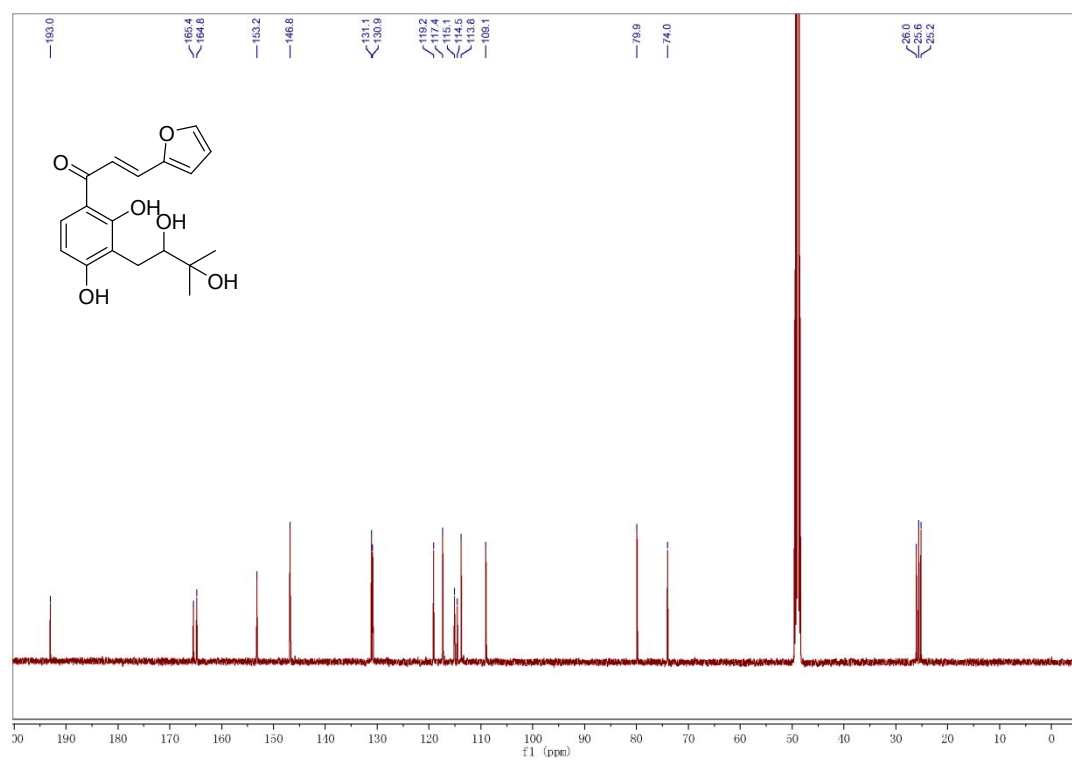


Figure S22: <sup>13</sup>C NMR spectrum of **8c** (125 MHz, CD<sub>3</sub>OD)

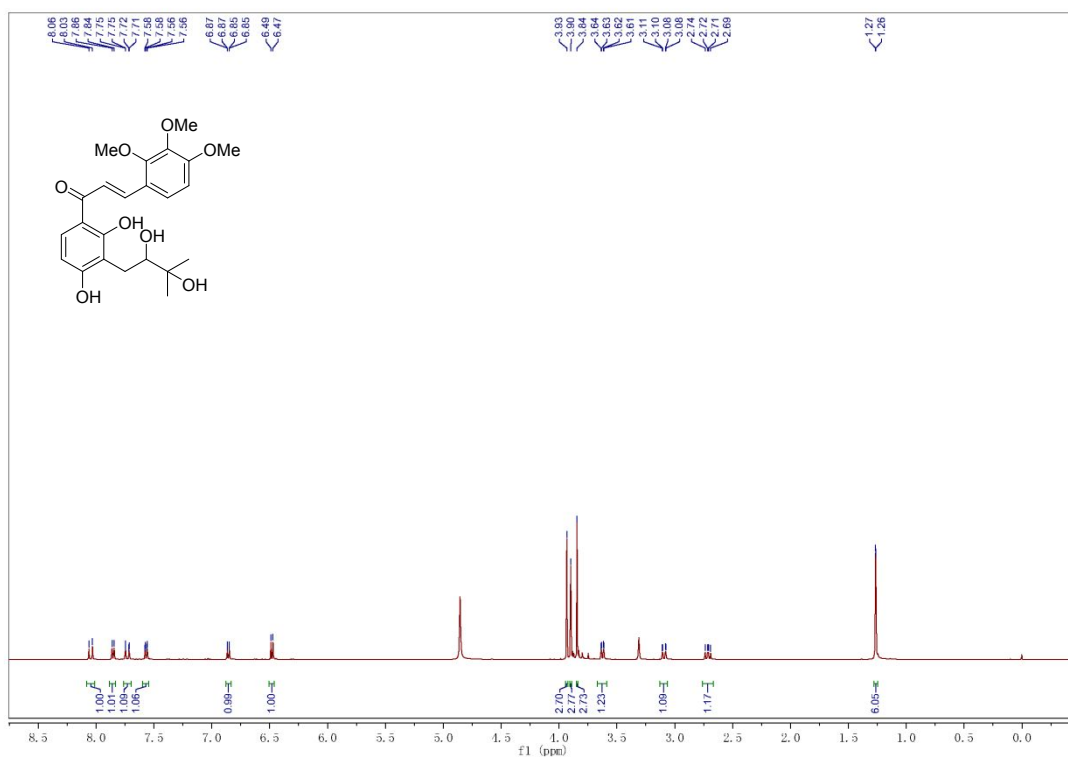


Figure S23: <sup>1</sup>H NMR spectrum of **8d** (500 MHz, CD<sub>3</sub>OD)

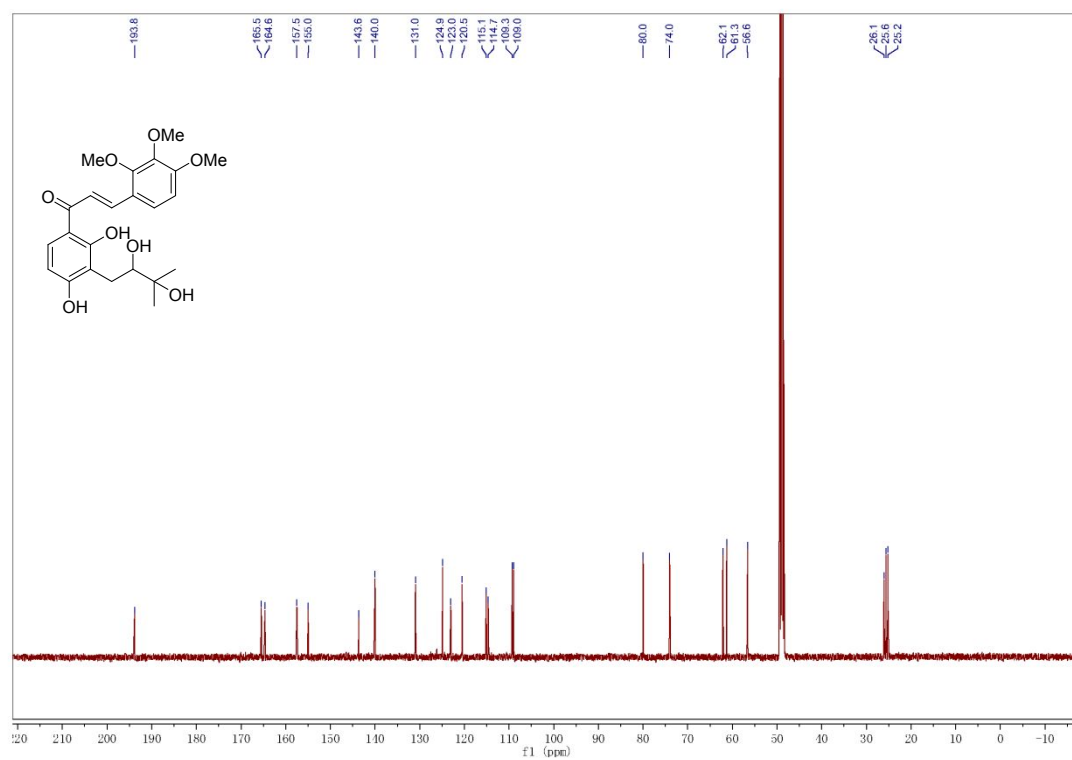


Figure S24: <sup>13</sup>C NMR spectrum of **8d** (125 MHz, CD<sub>3</sub>OD)

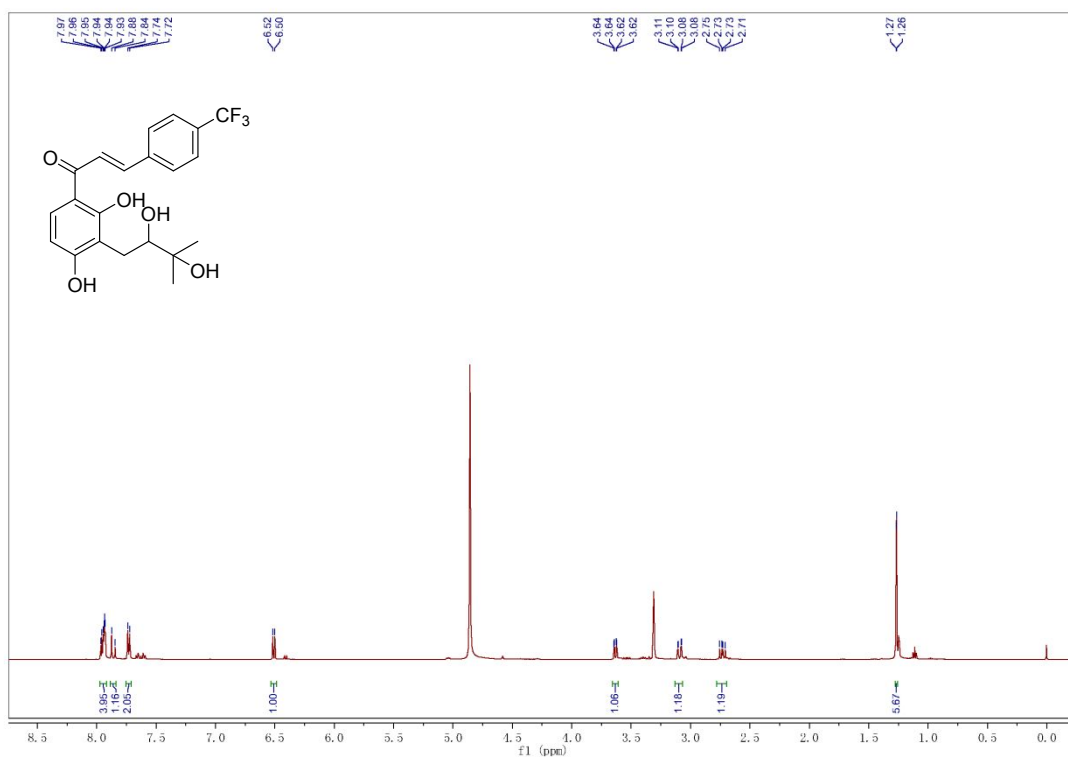


Figure S25: <sup>1</sup>H NMR spectrum of **8e** (500 MHz, CD<sub>3</sub>OD)

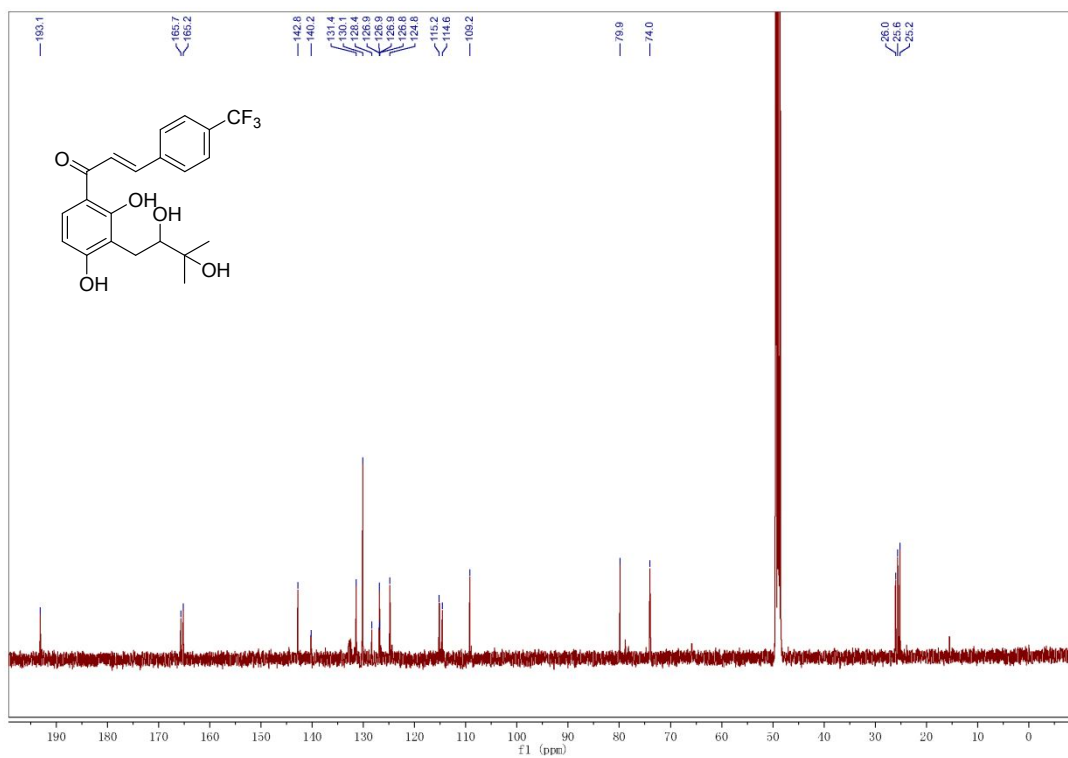


Figure S26: <sup>13</sup>C NMR spectrum of **8e** (125 MHz, CD<sub>3</sub>OD)

## 2. Growth inhibition rate curve

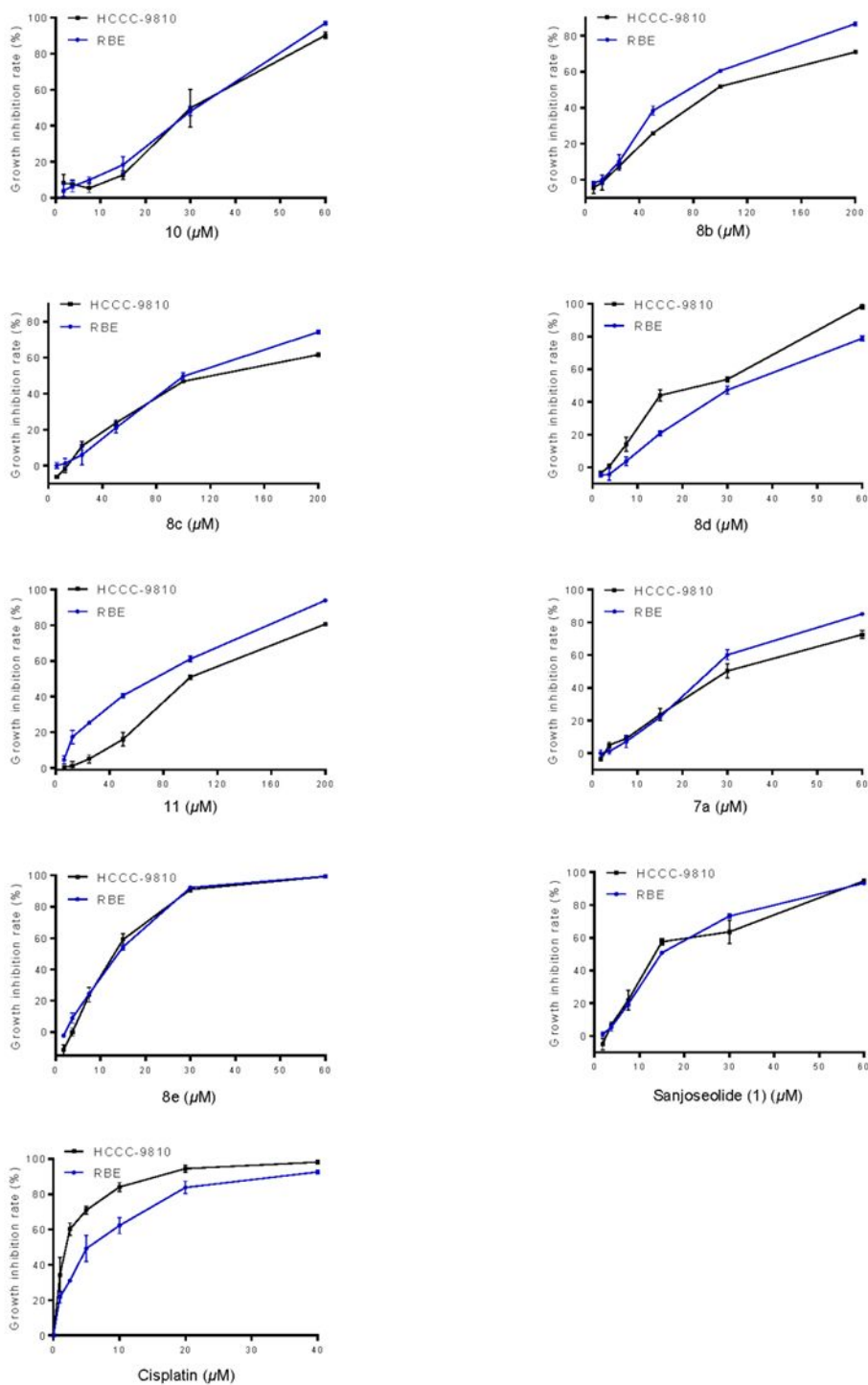


Figure S27: Growth inhibition rate curve of sanjoseolide (1) and their derivatives

### 3. HPLC spectra of Compound *rac*-6 and 6:

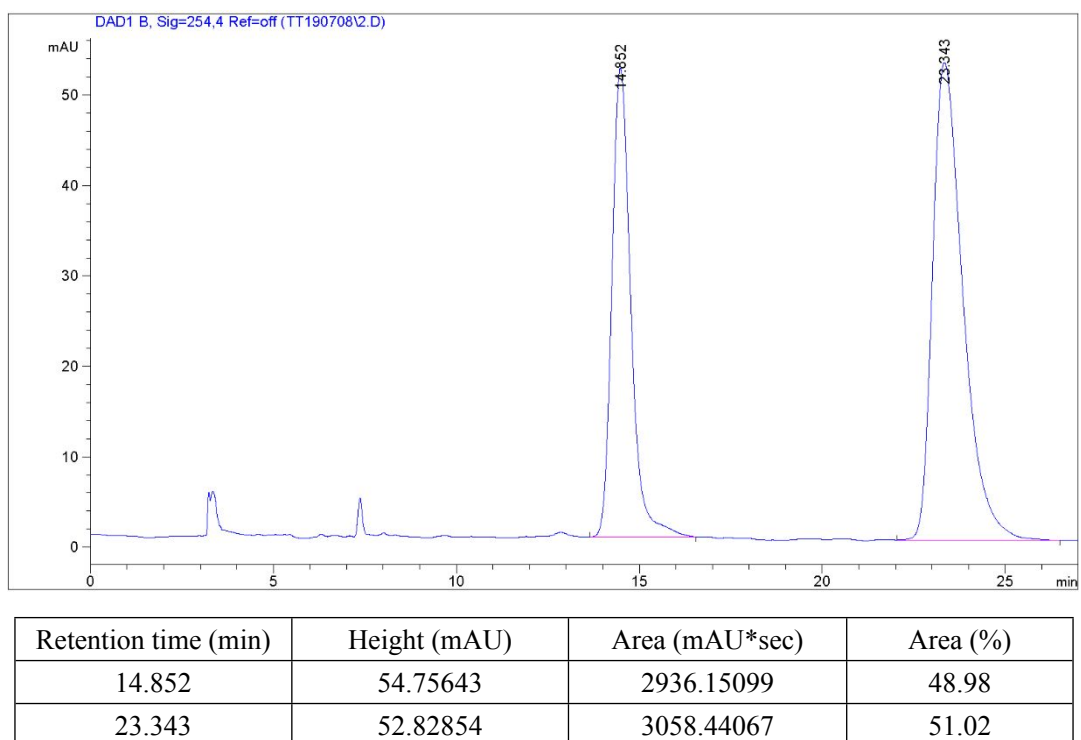


Figure S28: HPLC spectra of Compound *rac*-6

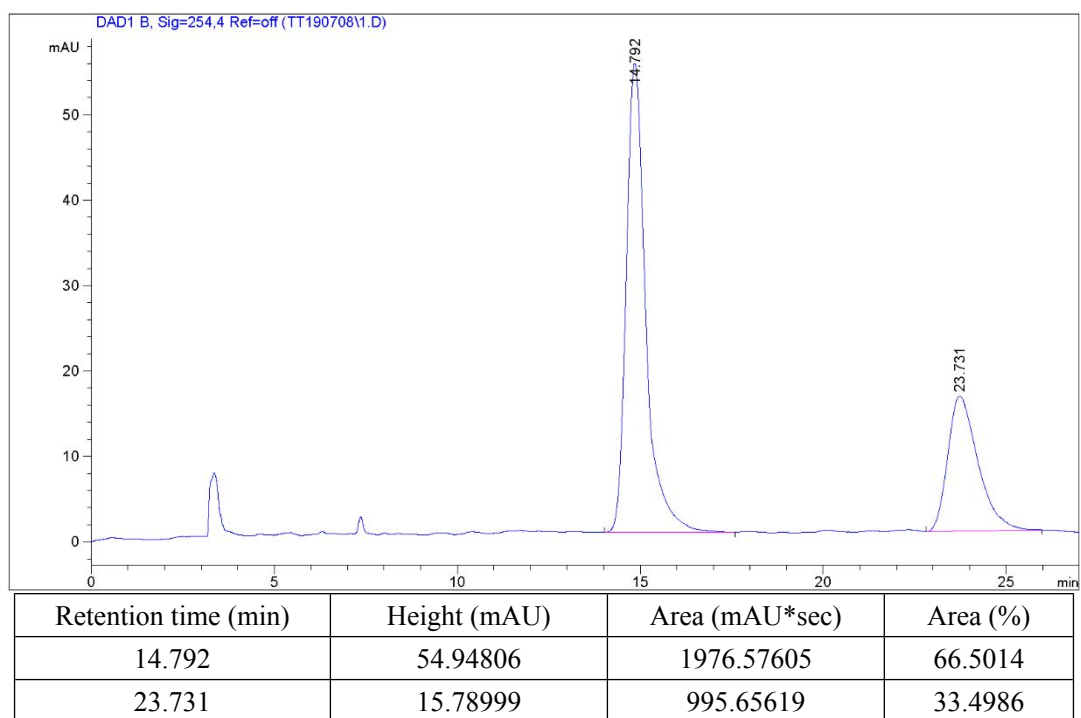


Figure S29: HPLC spectra of Compound 6