

## Supporting Information

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### A New Lignan from the Leaves of *Piper sarmentosum*

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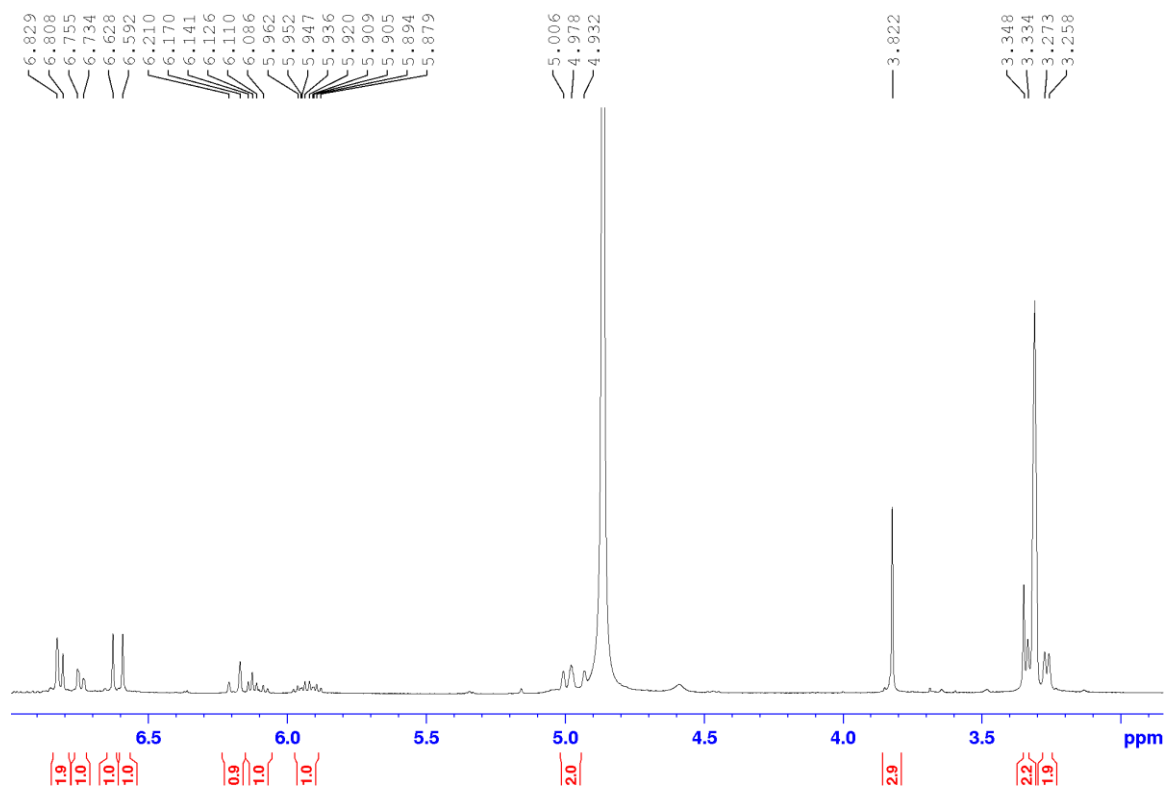


Figure S1:  $^1\text{H}$  NMR Spectrum of **1** in  $\text{CD}_3\text{OD}$  (400 MHz)

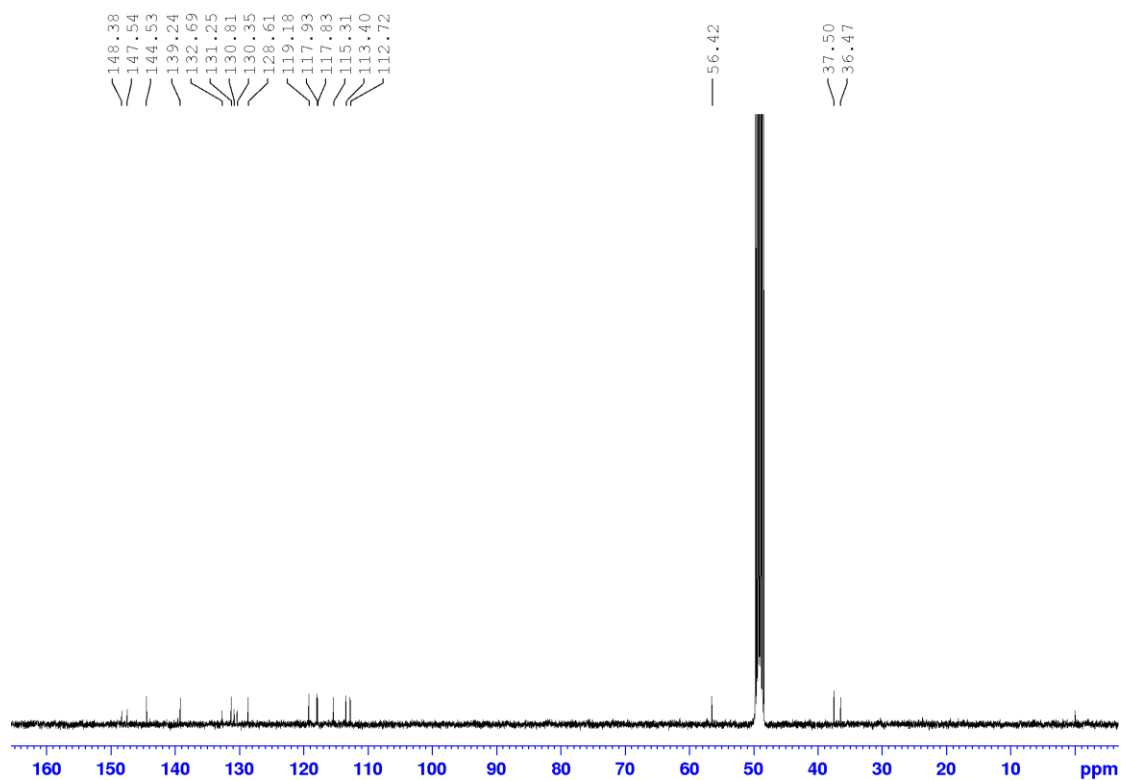


Figure S2:  $^{13}\text{C}$  NMR Spectrum of **1** in  $\text{CD}_3\text{OD}$  (100 MHz)

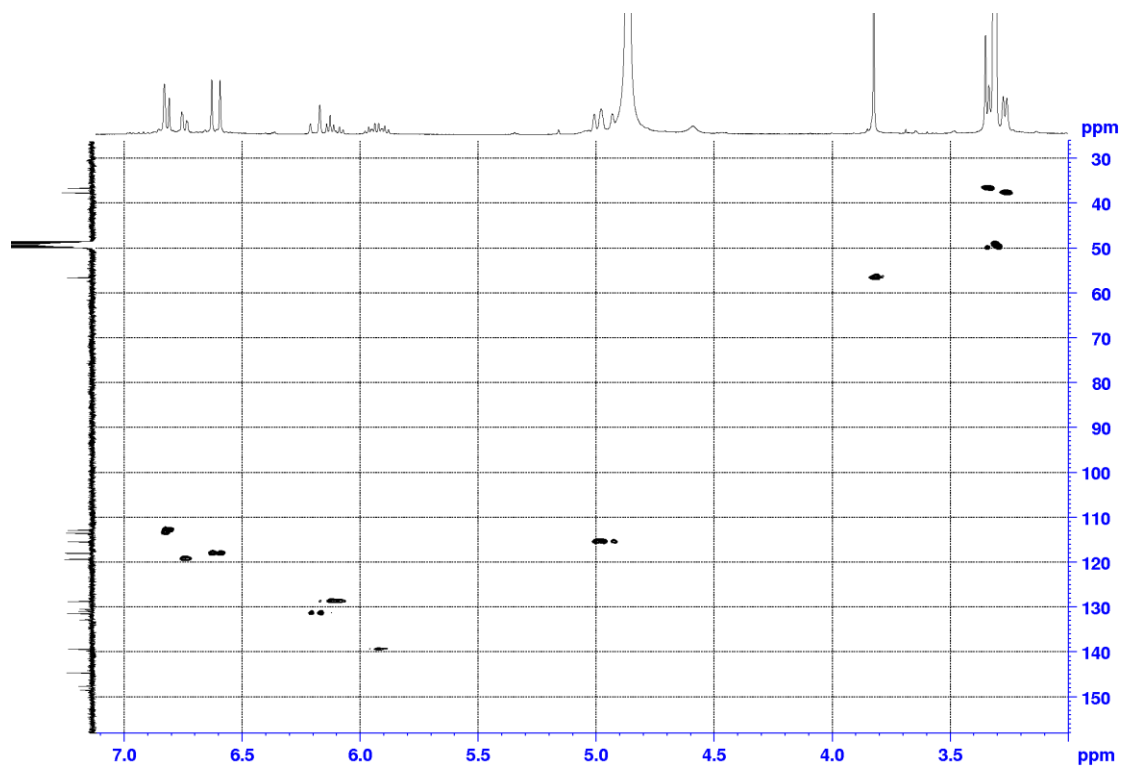


Figure S3: HSQC Spectrum of **1** in CD<sub>3</sub>OD

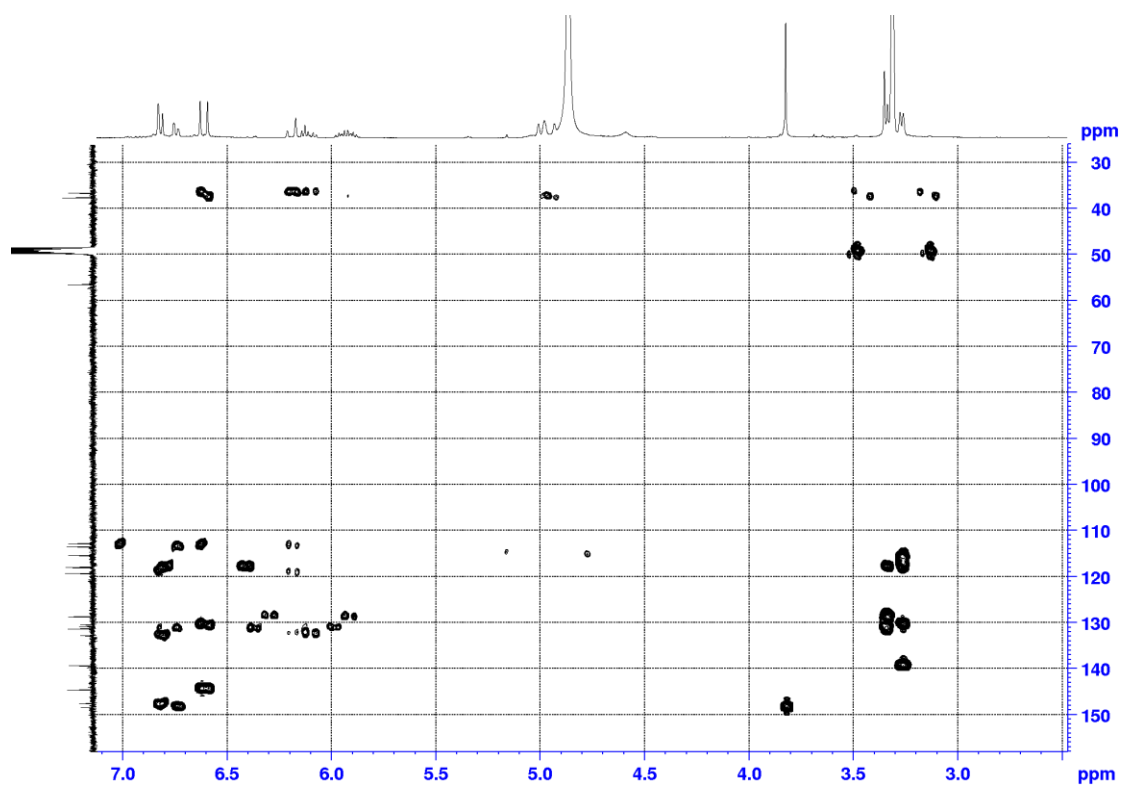
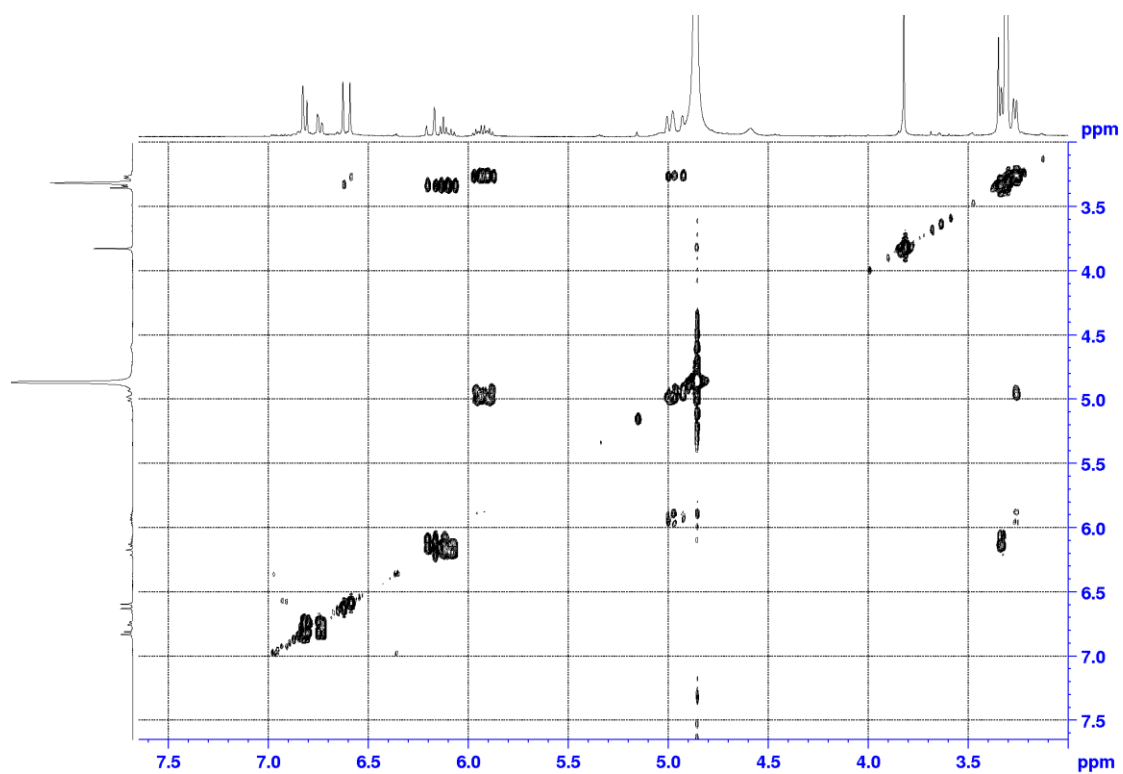
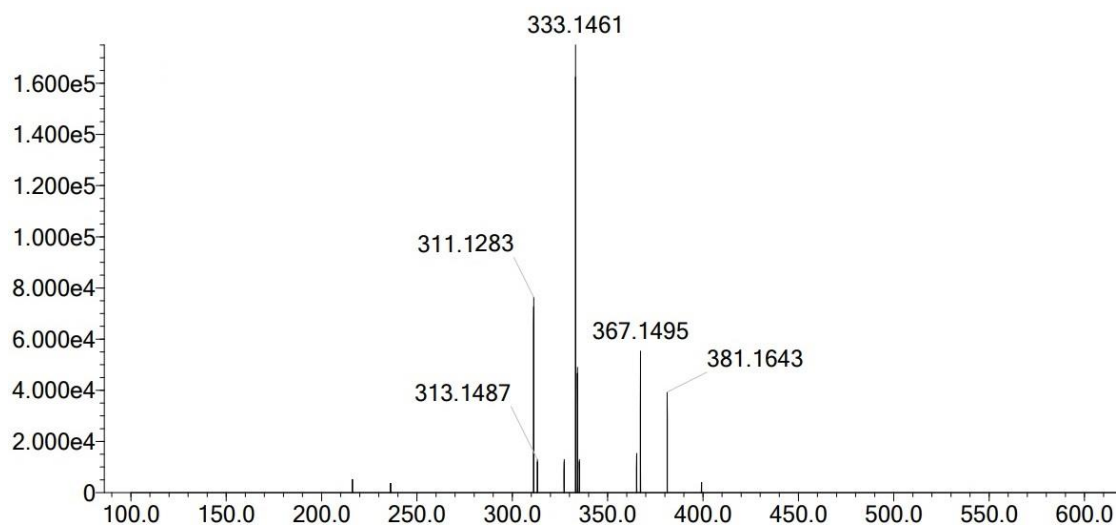


Figure S4: HMBC Spectrum of **1** in CD<sub>3</sub>OD



**Figure S5:**  $^1\text{H}$ - $^1\text{H}$  COSY Spectrum of compound **1** in  $\text{CD}_3\text{OD}$



**Figure S6:** Negative HRESIMS spectrum of compound **1**

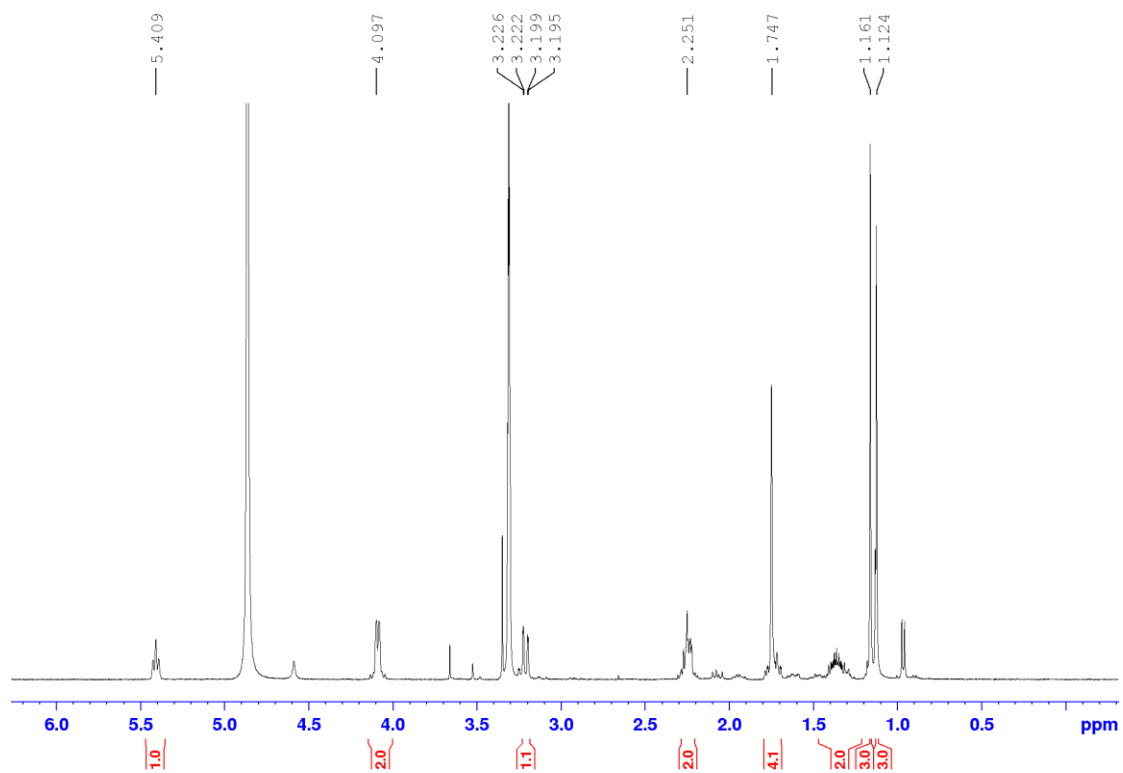


Figure S7:  $^1\text{H}$  NMR Spectrum of **4** in  $\text{CD}_3\text{OD}$  (400 MHz)

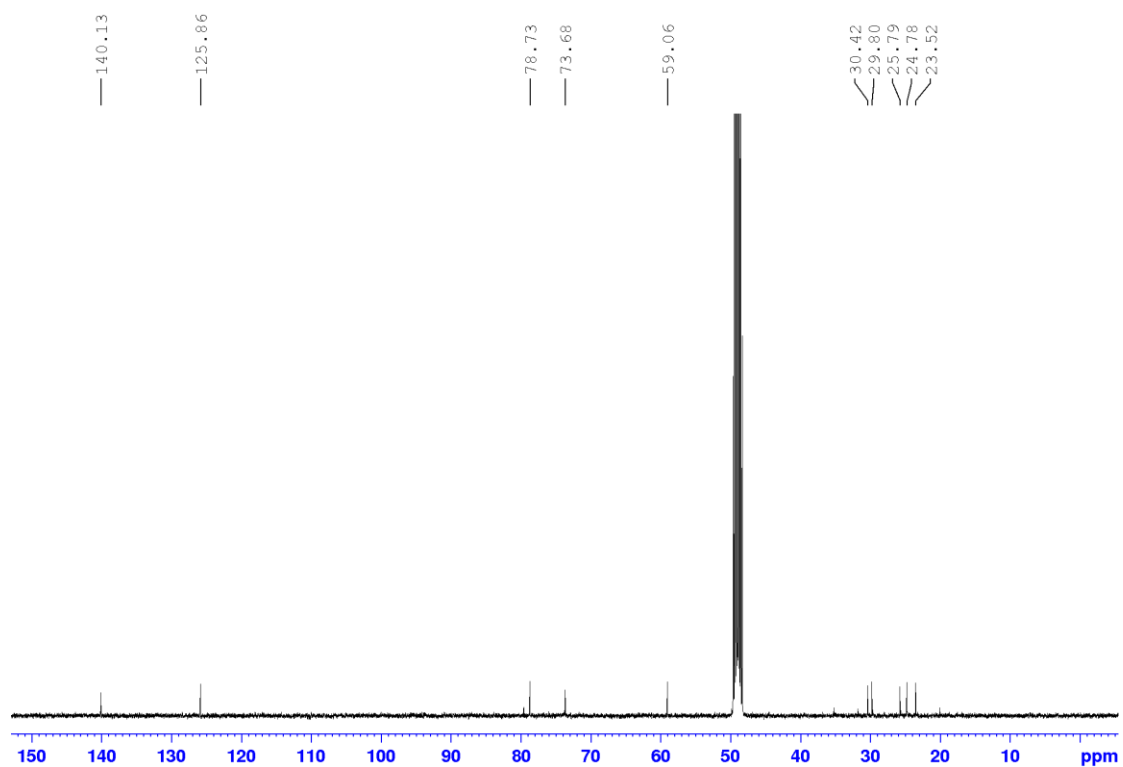


Figure S8:  $^{13}\text{C}$  NMR Spectrum of **4** in  $\text{CD}_3\text{OD}$  (100 MHz)

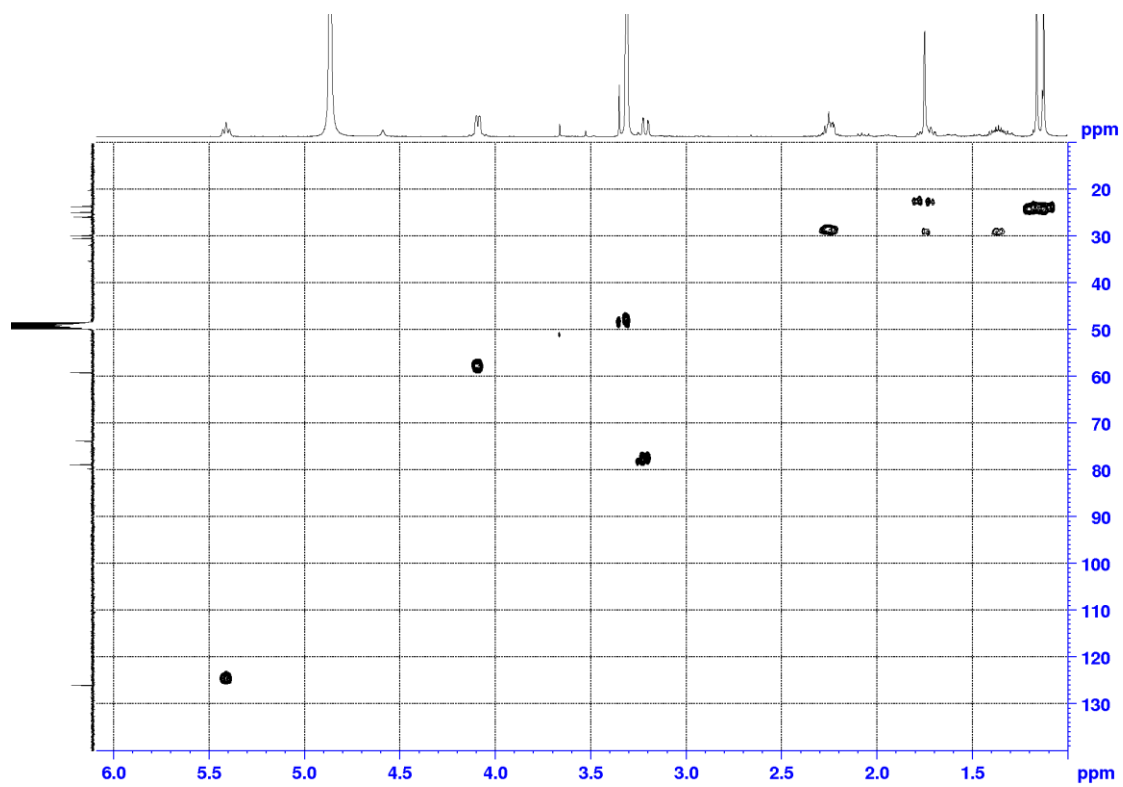


Figure S9: HSQC Spectrum of **4** in CD<sub>3</sub>OD

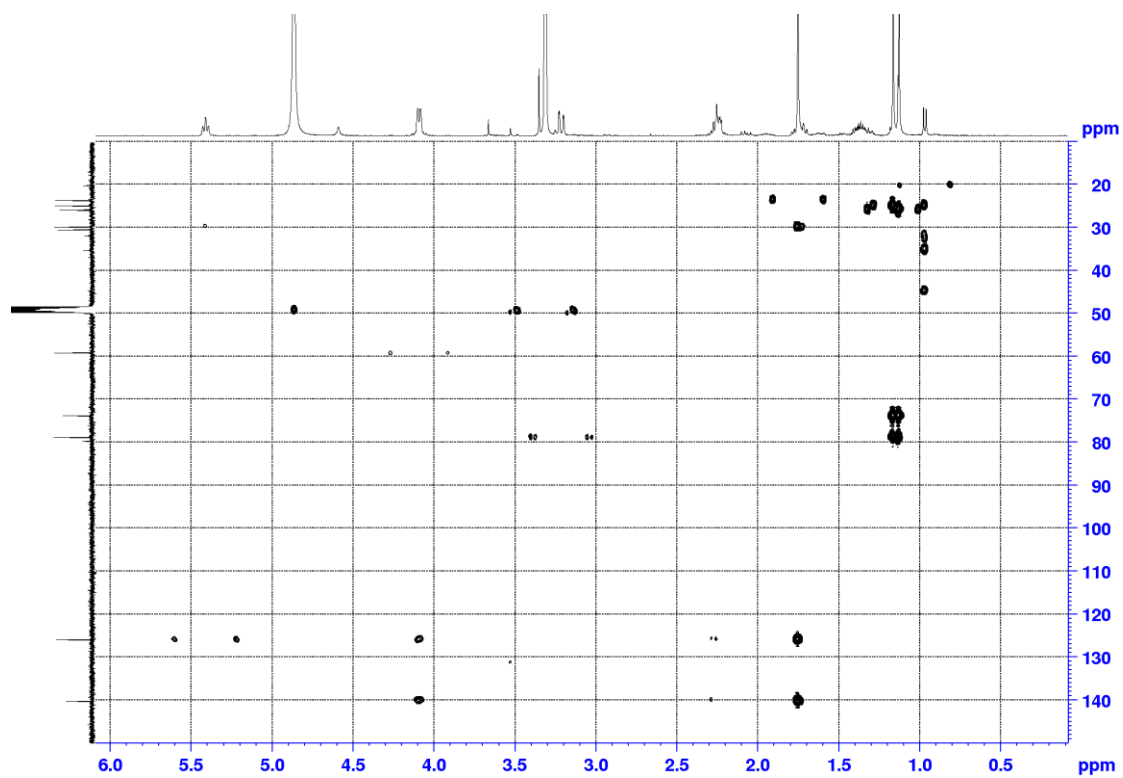


Figure S10: HMBC Spectrum of **4** in CD<sub>3</sub>OD

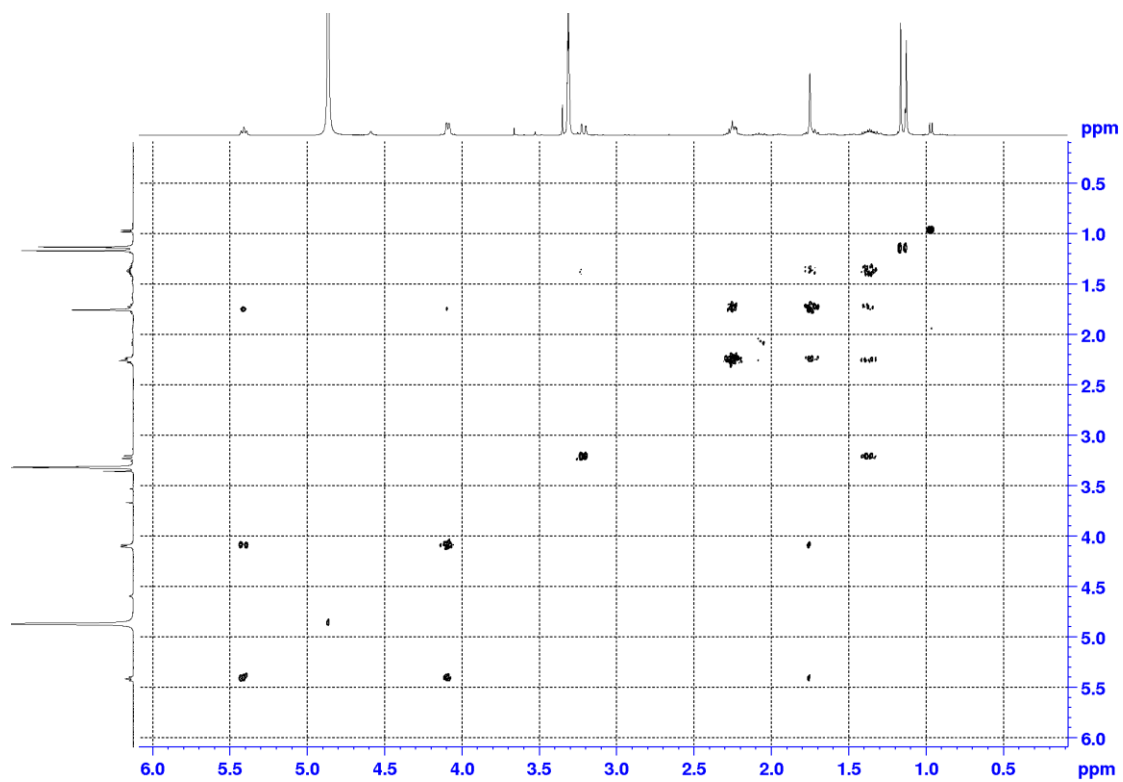


Figure S11:  $^1\text{H}$ - $^1\text{H}$  COSY Spectrum of **4** in  $\text{CD}_3\text{OD}$

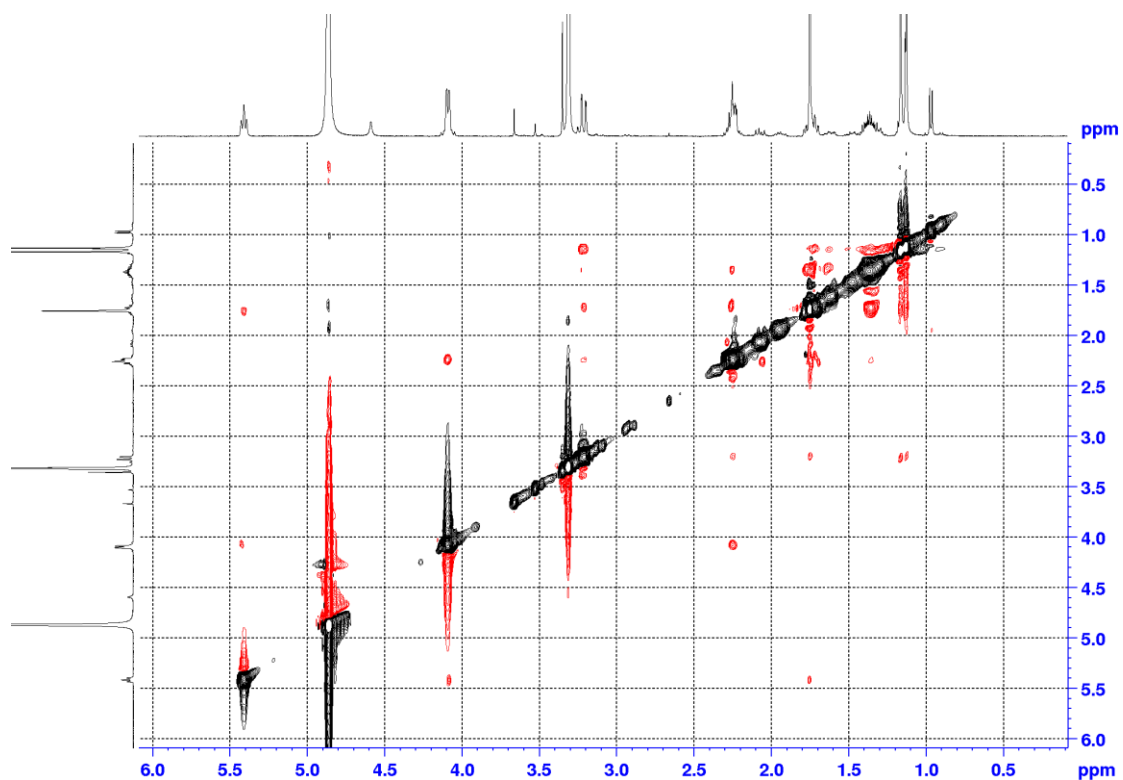


Figure S12: NOESY Spectrum of **4** in  $\text{CD}_3\text{OD}$

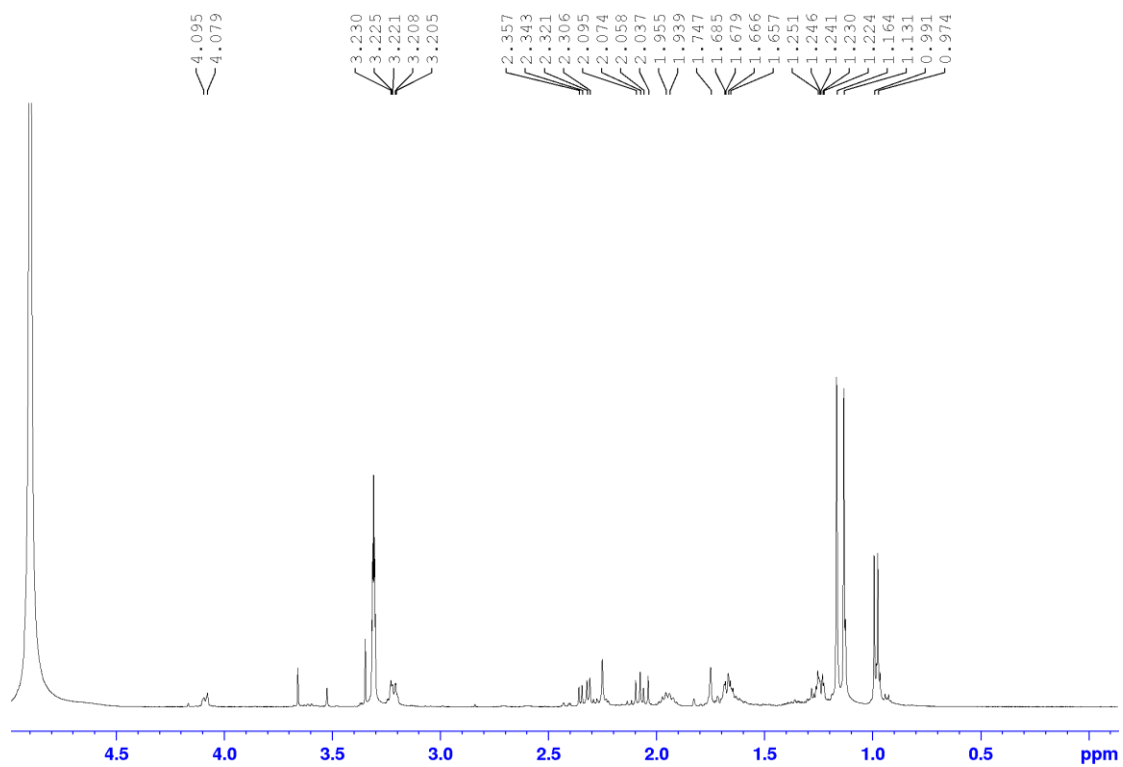


Figure S13:  $^1\text{H}$  NMR Spectrum of **5** in  $\text{CD}_3\text{OD}$  (400 MHz)

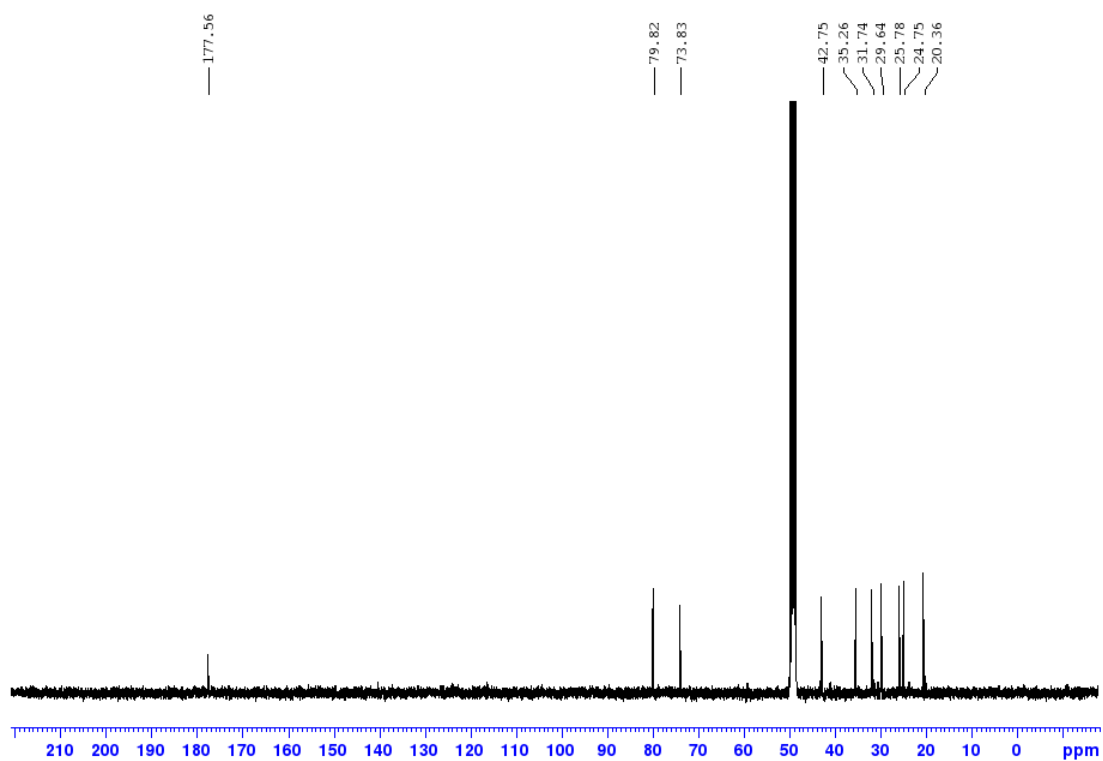


Figure S14:  $^{13}\text{C}$  NMR Spectrum of **5** in  $\text{CD}_3\text{OD}$  (100 MHz)



Substructure (3)

Similarity (339K)

Chemscape Analysis

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Filter Behavior

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Similarity

- 95-98 (6)
- 90-94 (47)
- 85-89 (373)
- 80-84 (2,805)
- 75-79 (7,504)
- [View All](#)

Reaction Role

- Product (33)
- Reactant (9)

Reference Role

- Preparation (41)
- Synthetic Preparation (33)
- Biological Study (25)
- Uses (24)
- Therapeutic Use (23)
- [View All](#)

Bioactivity Data

Commercial Availability

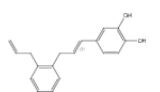
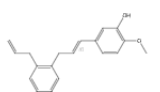
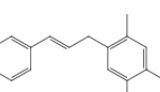
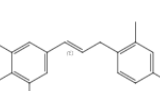
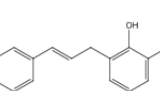
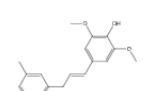
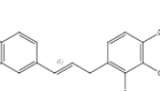
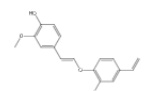
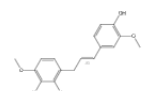
<p>1 98</p> <p>1449387-71-6</p>  <p>Double bond geometry shown</p> <p>C<sub>18</sub>H<sub>18</sub>O<sub>4</sub> Neotaiwanensol A</p> <p>6 References 0 Reactions 0 Suppliers</p>	<p>2 97</p> <p>2751631-10-2</p>  <p>Double bond geometry shown</p> <p>C<sub>20</sub>H<sub>22</sub>O<sub>4</sub> 4-[(2E)-3-(3-Hydroxy-4-methoxyphenyl)-2-propen-1-yl]-2-methoxy-5-(2-propen-1-yl)...</p> <p>1 Reference 0 Reactions 1 Supplier</p>	<p>3 95</p> <p>75322-26-8</p>  <p>C<sub>19</sub>H<sub>22</sub>O<sub>4</sub> 5-[3-(3,4-Dimethoxyphenyl)-2-propen-1-yl]-2-methoxy-4-methylphenol</p> <p>2 References 0 Reactions 0 Suppliers</p>
<p>4 95</p> <p>2712550-92-8</p>  <p>Double bond geometry shown</p> <p>C<sub>19</sub>H<sub>22</sub>O<sub>4</sub> 3-Methyl-4-[(2E)-3-(3,4,5-trimethoxyphenyl)-2-propen-1-yl]phenol</p> <p>1 Reference 2 Reactions 0 Suppliers</p>	<p>5 95</p> <p>1038397-12-4</p>  <p>C<sub>18</sub>H<sub>20</sub>O<sub>4</sub> 2-[3-(4-Hydroxy-3-methoxyphenyl)-2-propen-1-yl]-6-methoxy-4-methylphenol</p> <p>1 Reference 0 Reactions 0 Suppliers</p>	<p>6 95</p> <p>96357-24-3</p>  <p>C<sub>18</sub>H<sub>20</sub>O<sub>4</sub> 4-[3-(2-Hydroxy-5-methylphenyl)-1-propen-1-yl]-2,6-dimethoxyphenol</p> <p>1 Reference 0 Reactions 0 Suppliers</p>
<p>7 92</p> <p>1179348-32-3</p>  <p>Double bond geometry shown</p> <p>C<sub>18</sub>H<sub>20</sub>O<sub>5</sub></p>	<p>8 92</p> <p>2088666-92-4</p>  <p>C<sub>18</sub>H<sub>18</sub>O<sub>4</sub> 4-[2-(4-Ethynyl-2-methoxyphenoxy)...</p>	<p>9 92</p> <p>1882917-28-3</p>  <p>Double bond geometry shown</p> <p>C<sub>18</sub>H<sub>20</sub>O<sub>5</sub></p>

Figure S15: Scifinder similarity report for compound 1