

## Supporting Information

*Rec. Nat. Prod.* 19:5 (2025) 611-615

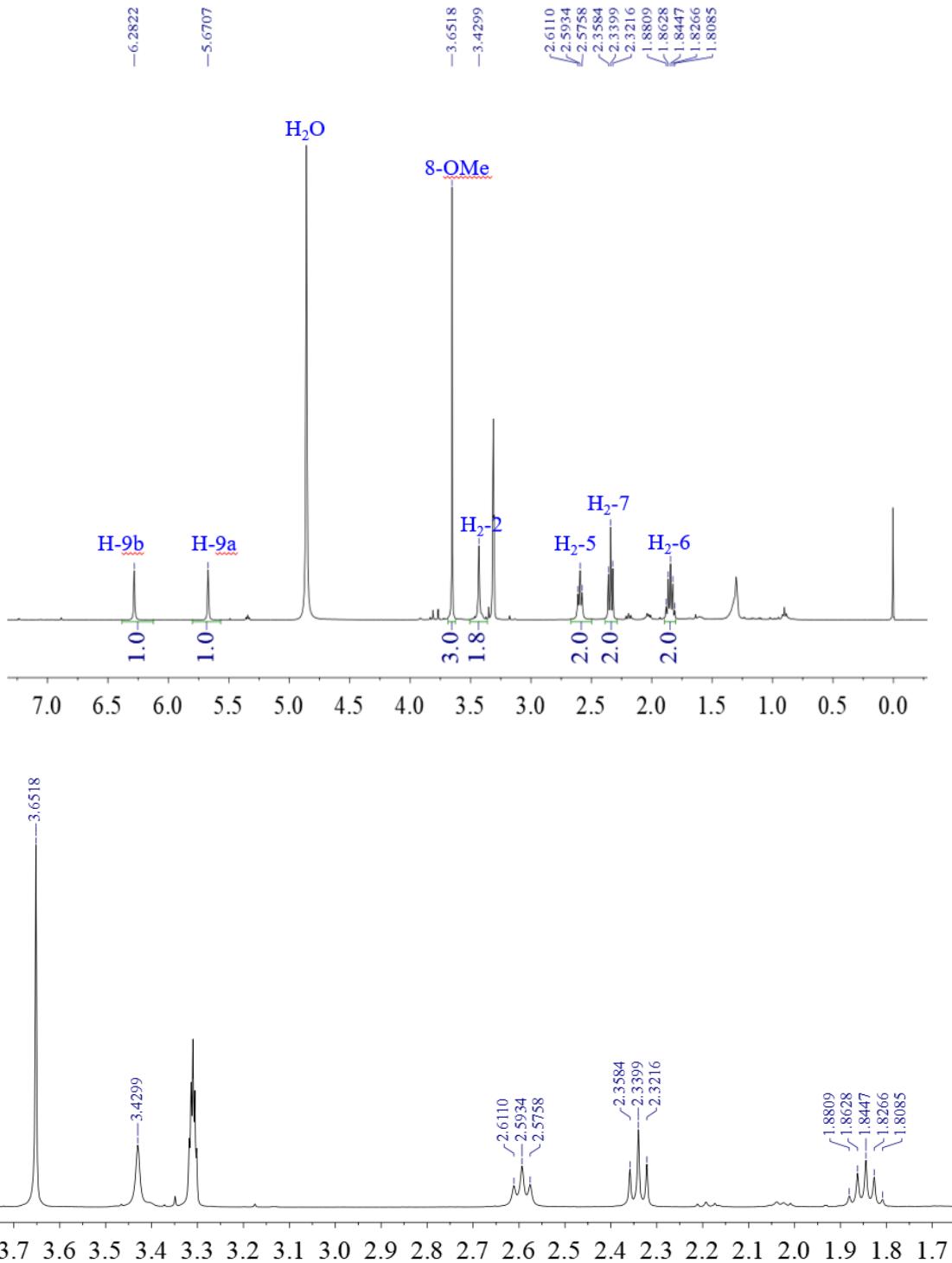
### A New Acyclic Compound from the Medicinal Plant

*Tinospora sinensis*

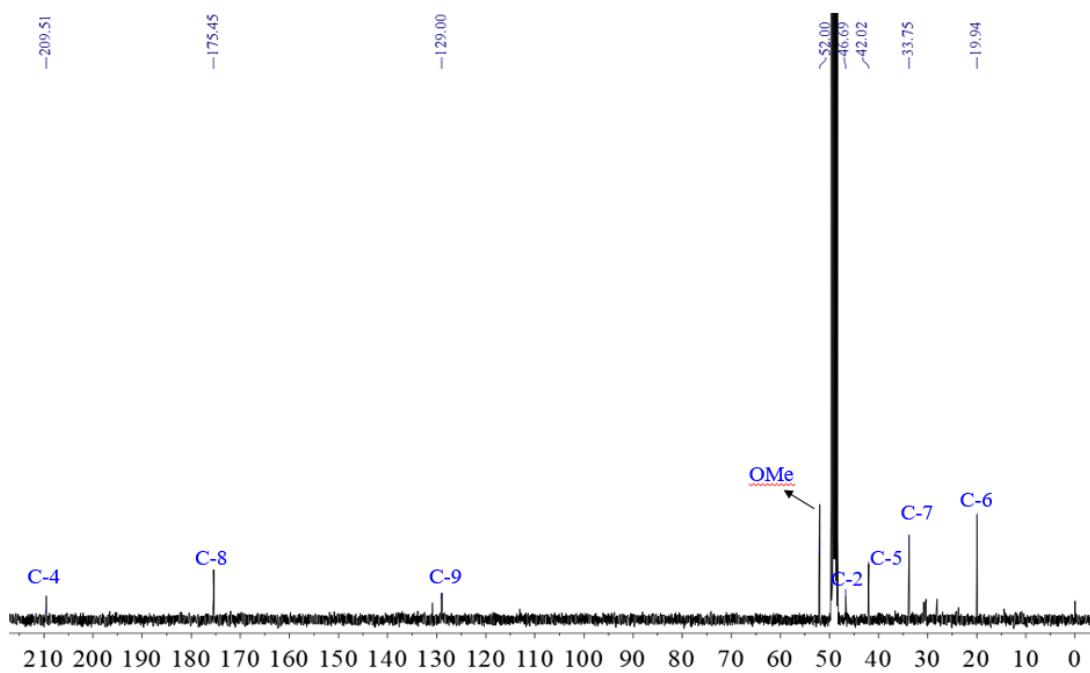
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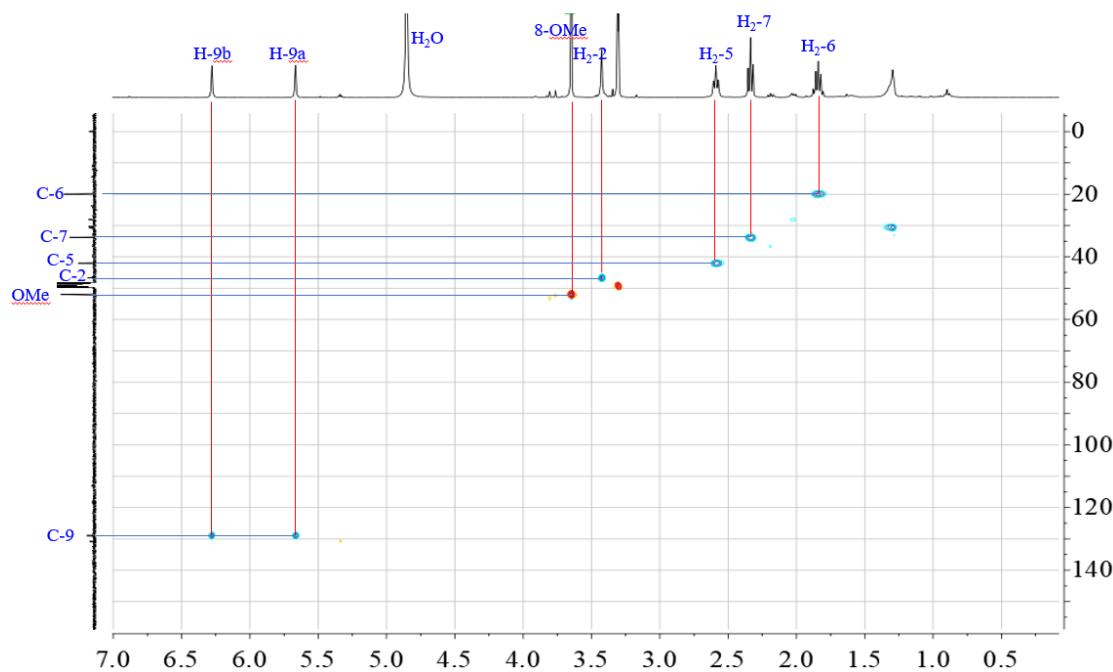
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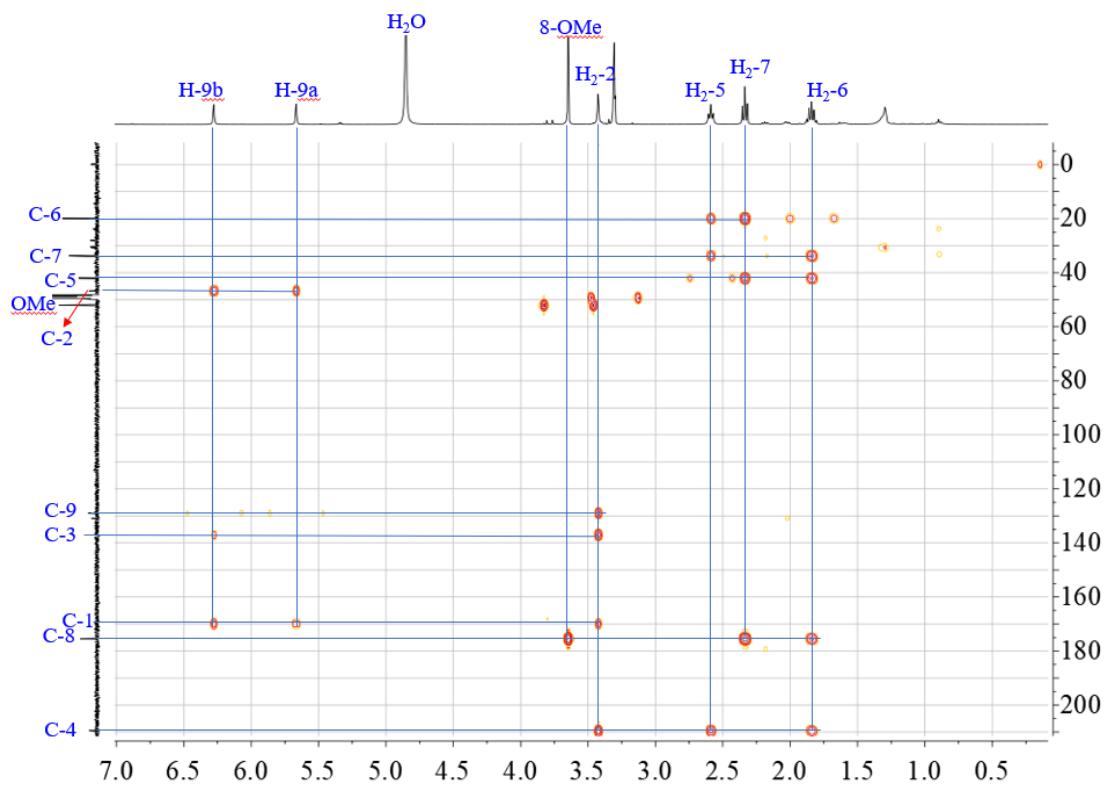
**Figure S1:** <sup>1</sup>H NMR Spectrum of **1** in CD<sub>3</sub>OD (400 MHz)



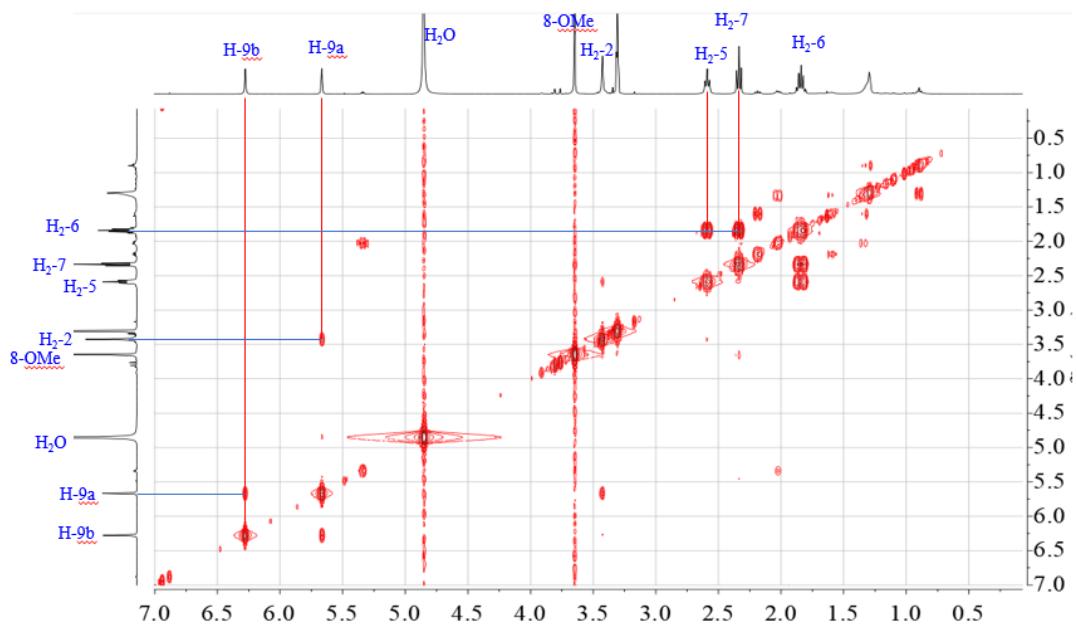
**Figure S2:**  $^{13}\text{C}$  NMR Spectrum of **1** in  $\text{CD}_3\text{OD}$  (100 MHz)



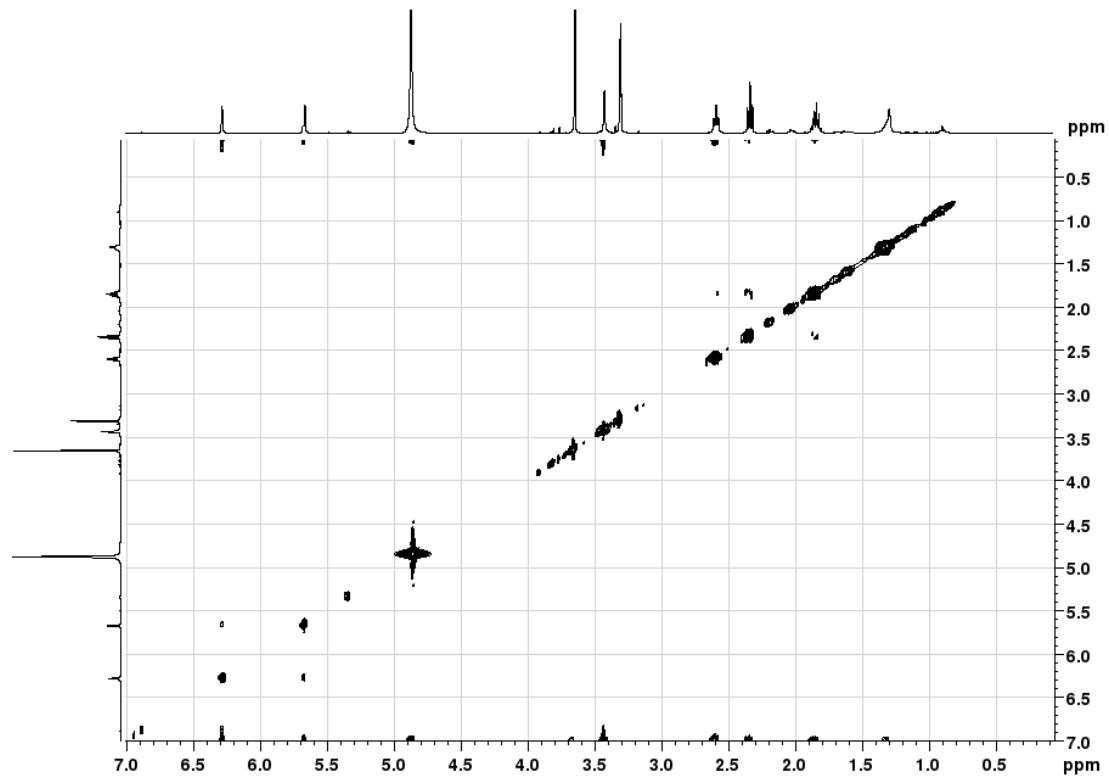
**Figure S3:** HSQC Spectrum of **1** in  $\text{CD}_3\text{OD}$



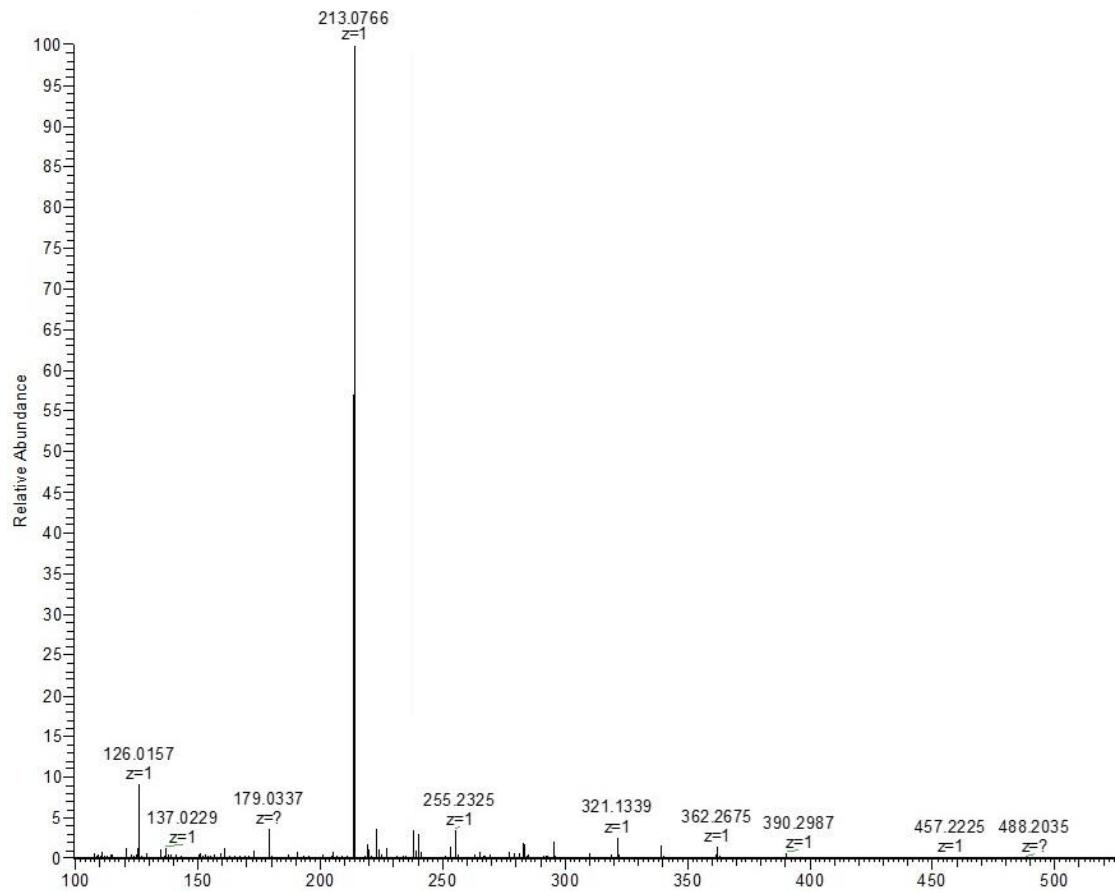
**Figure S4:** HMBC Spectrum of **1** in  $\text{CD}_3\text{OD}$



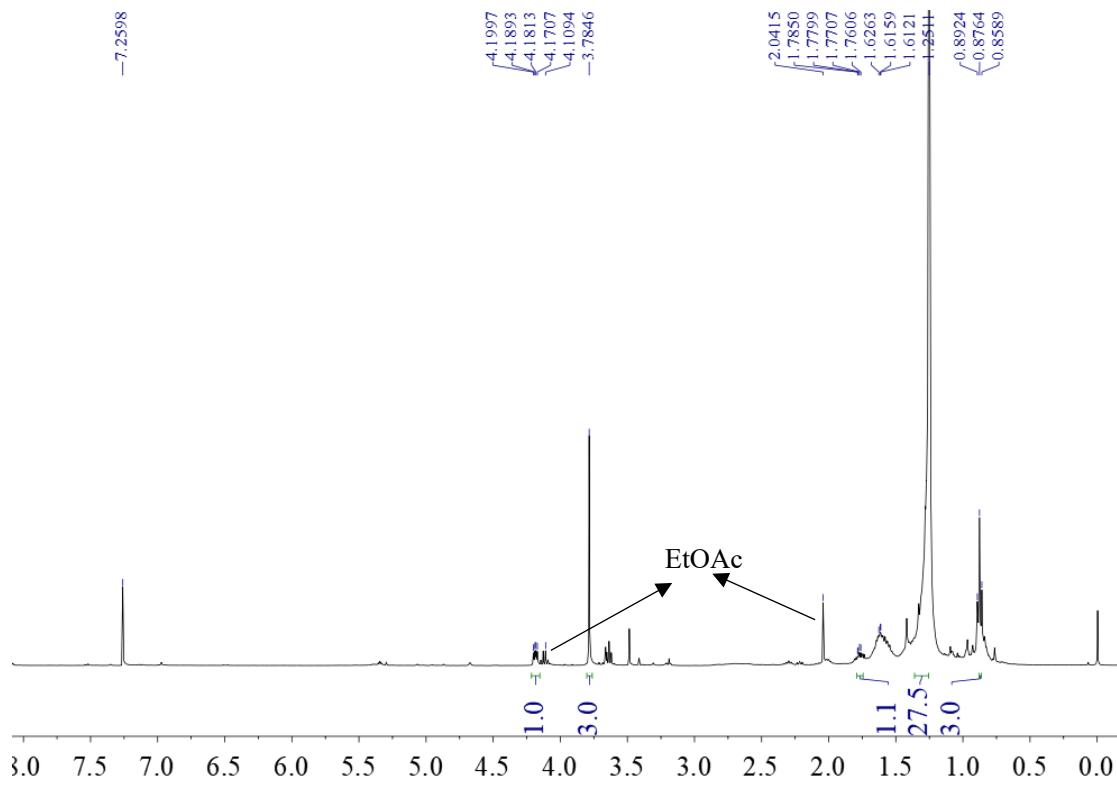
**Figure S5:**  $^1\text{H}$ - $^1\text{H}$  COSY Spectrum of compound **1** in  $\text{CD}_3\text{OD}$



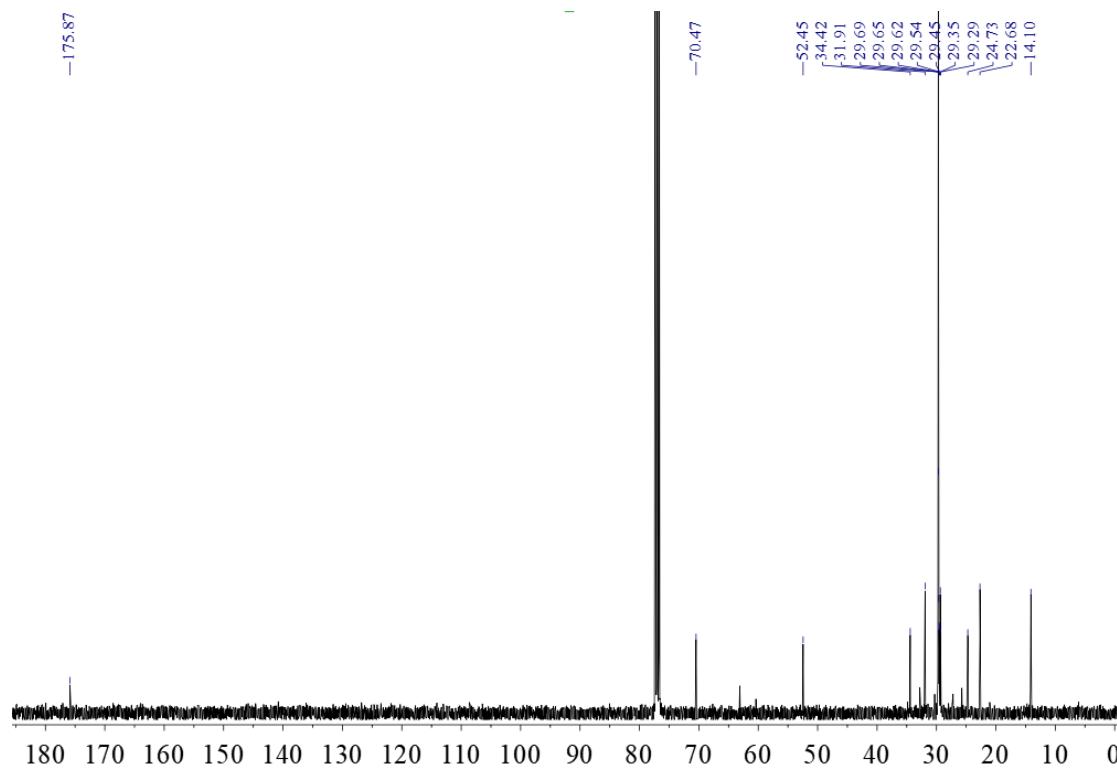
**Figure S6:** NOESY Spectrum of compound **1** in  $\text{CD}_3\text{OD}$ .



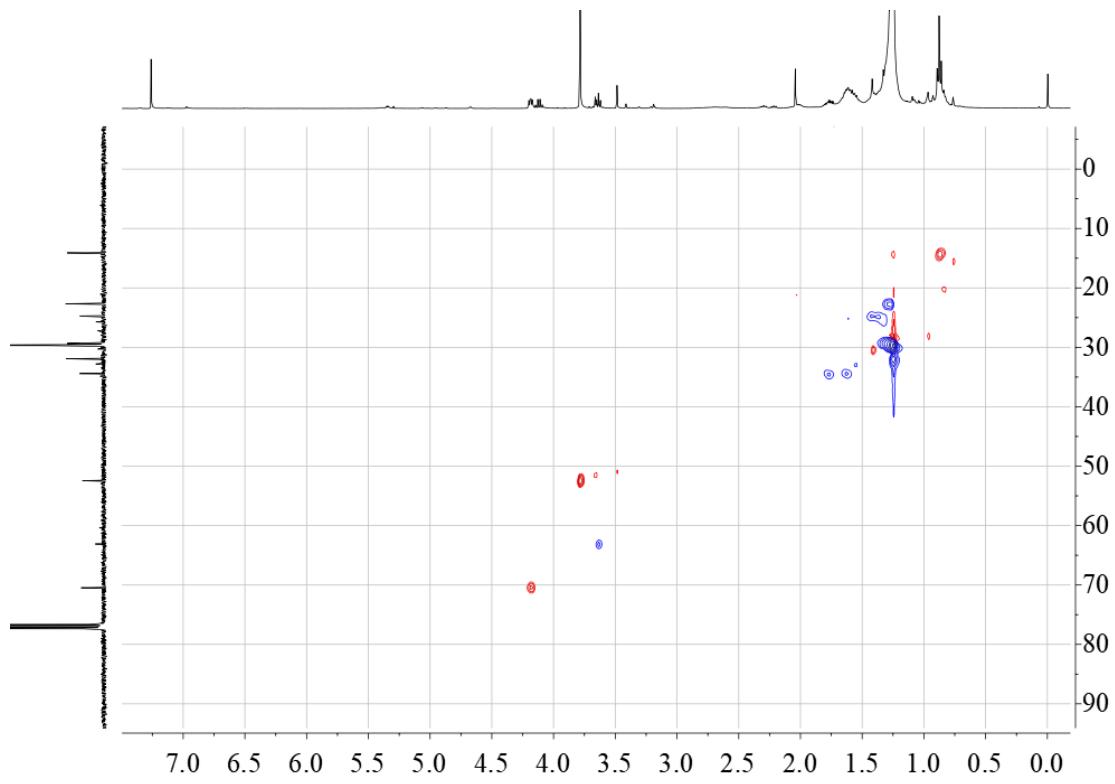
**Figure S7:** HRESIMS spectrum of **1**.



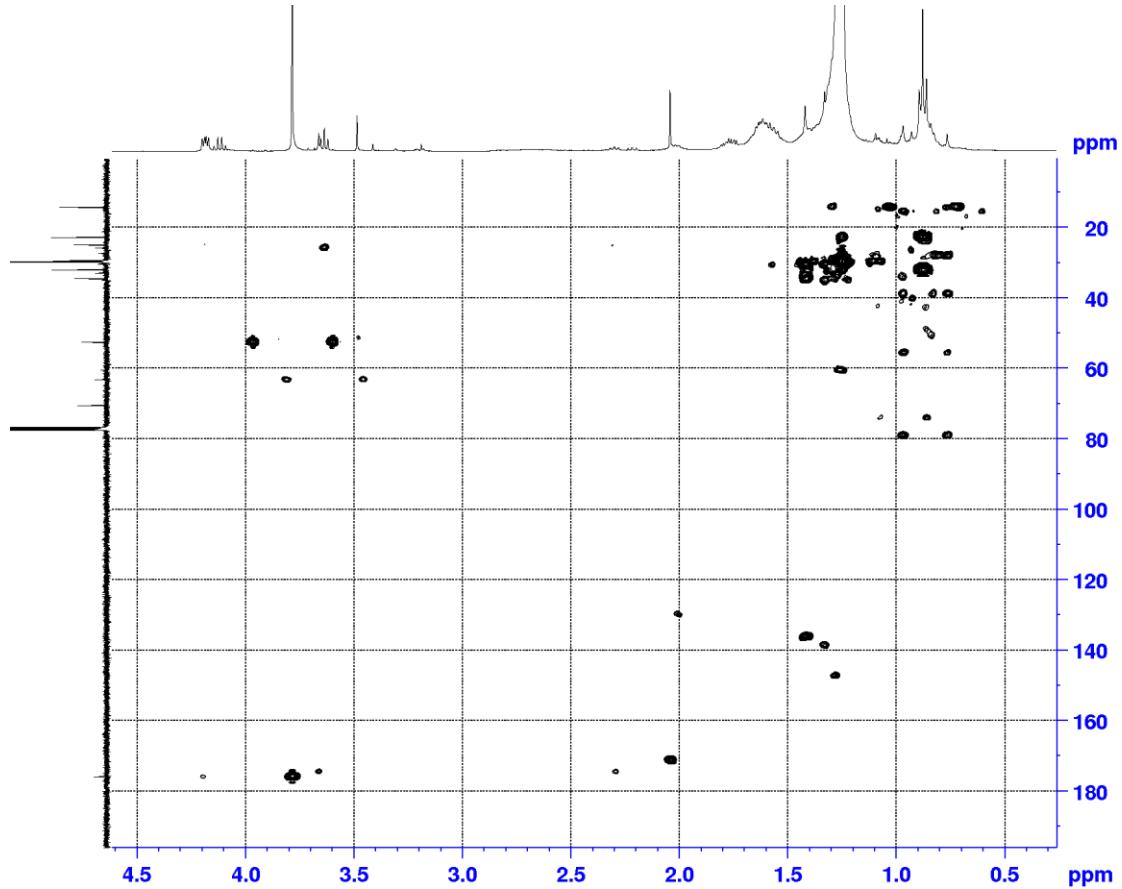
**Figure S8:**  $^1\text{H}$  NMR Spectrum of **2** in  $\text{CDCl}_3$  (400 MHz)



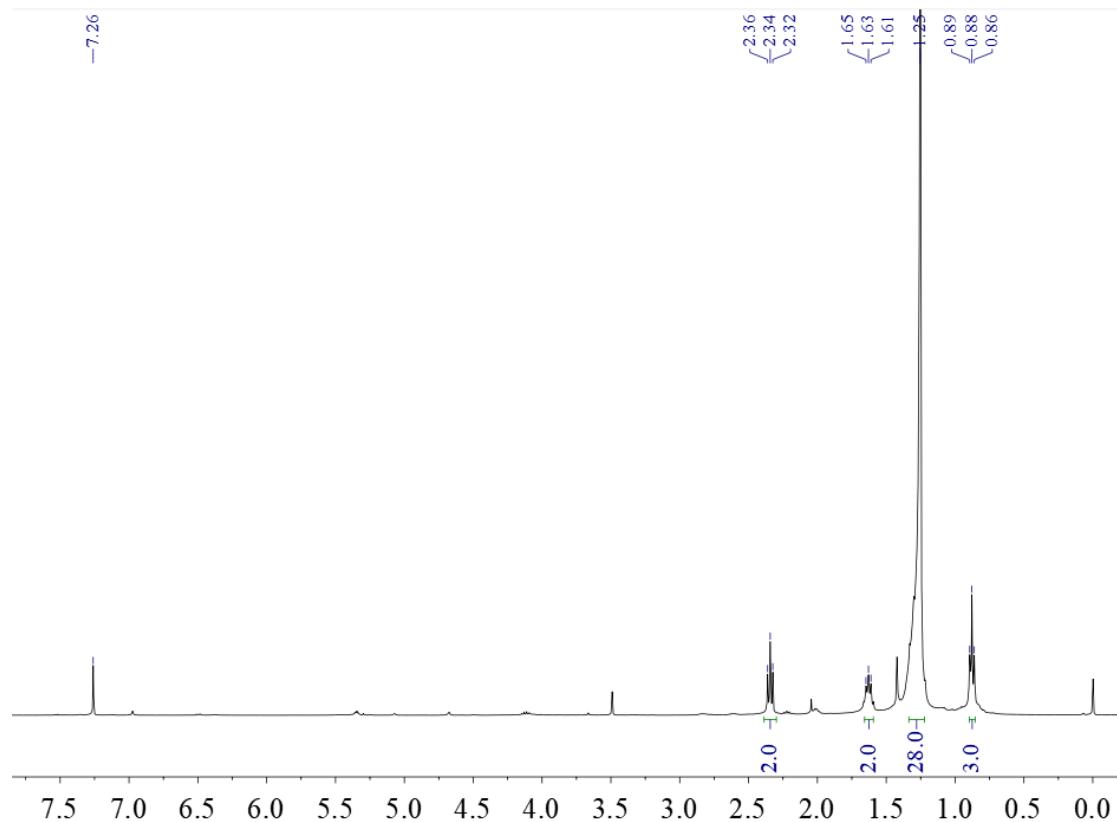
**Figure S9:**  $^{13}\text{C}$  NMR Spectrum of **2** in  $\text{CDCl}_3$  (100 MHz)



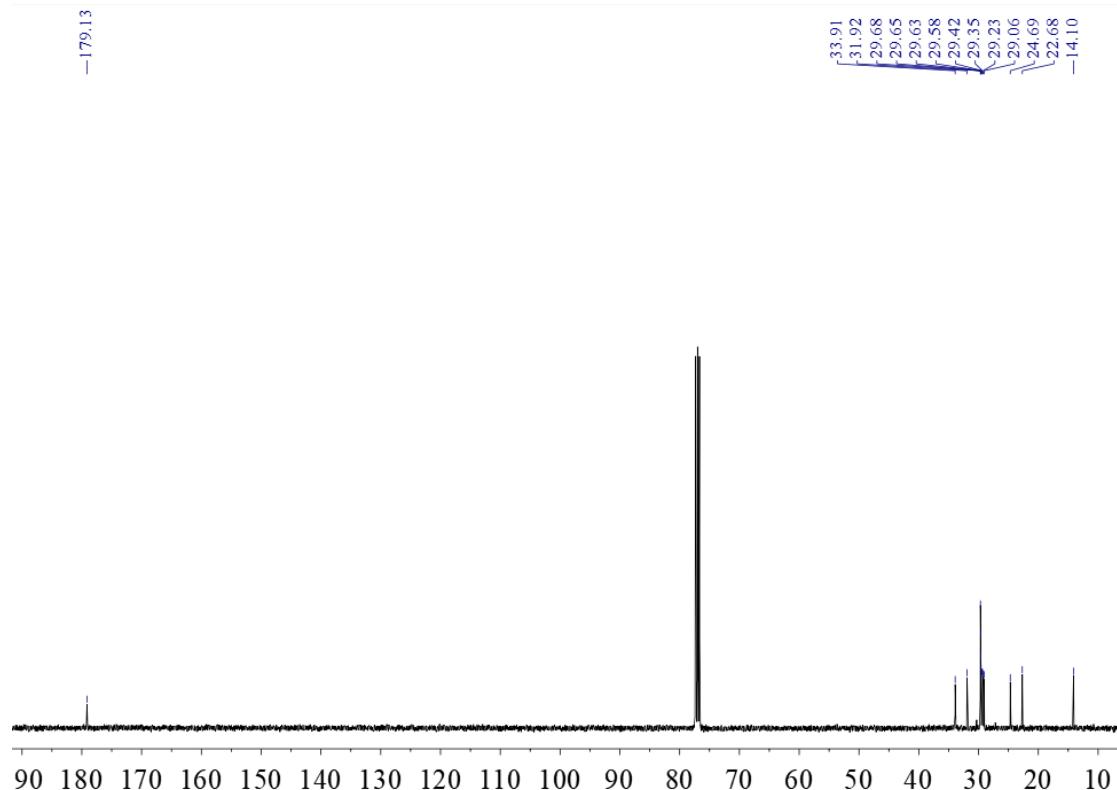
**Figure S10:** HSQC Spectrum of **2** in  $\text{CDCl}_3$



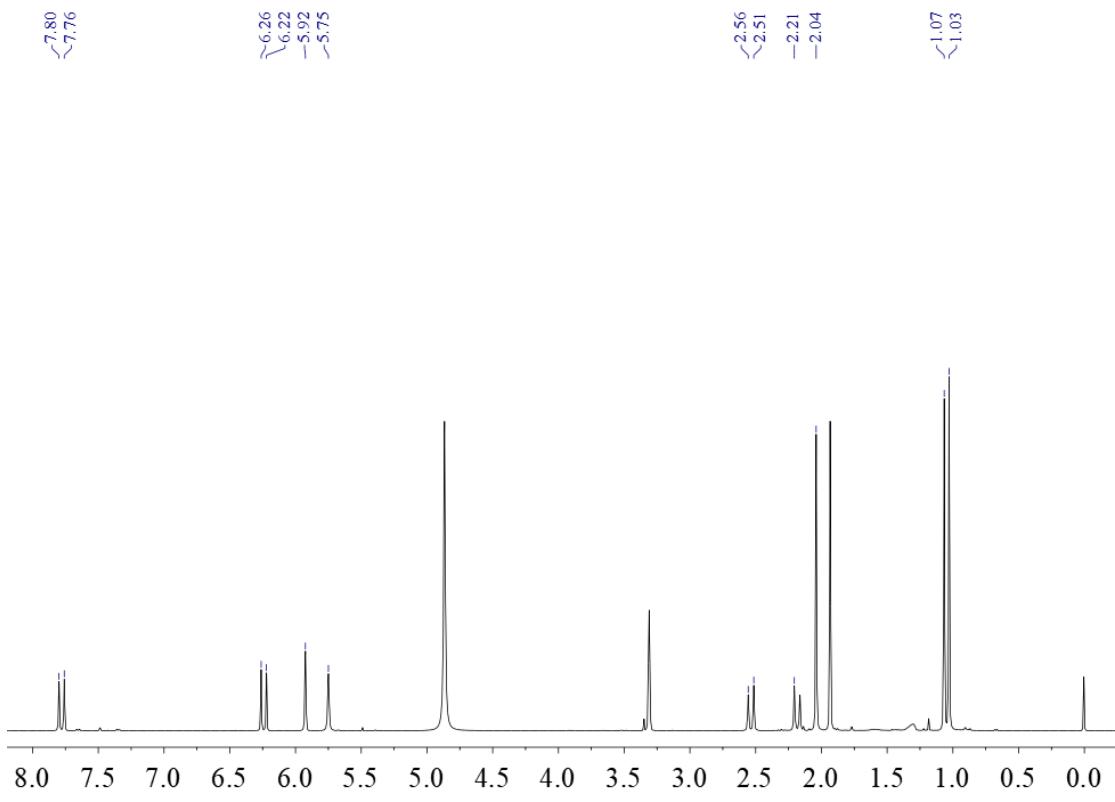
**Figure S11:** HMBC Spectrum of **2** in  $\text{CDCl}_3$



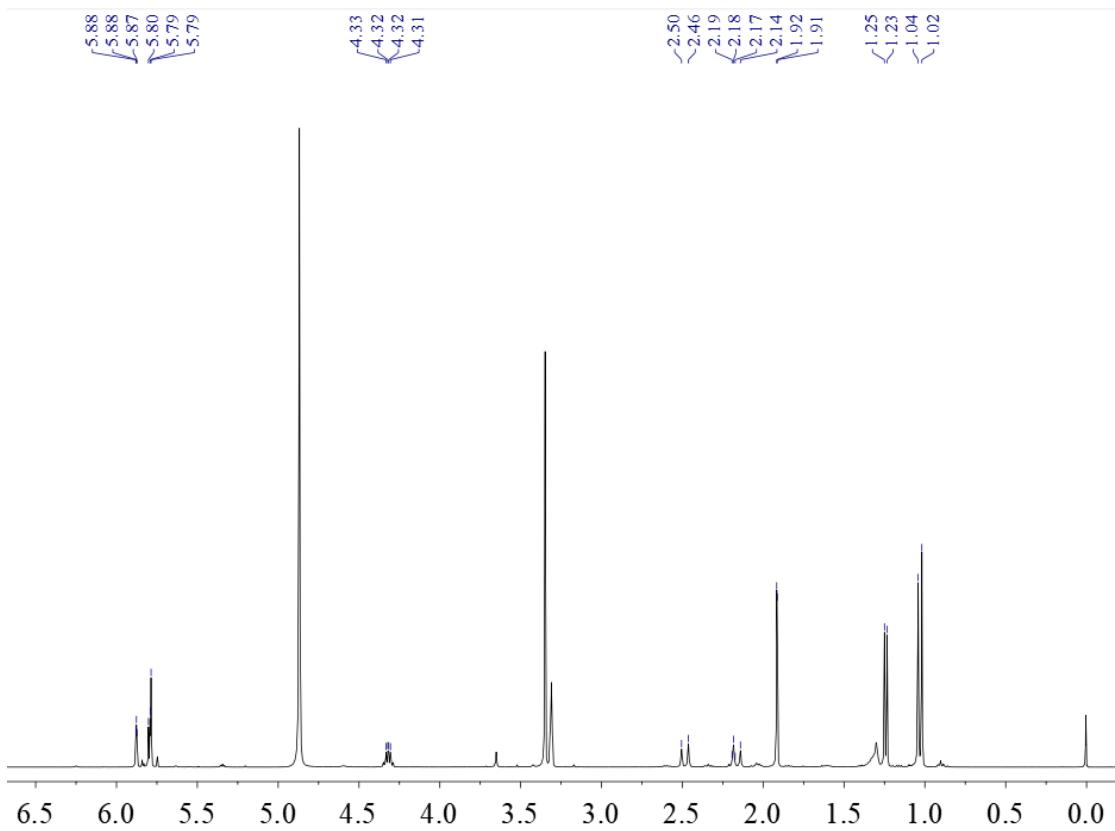
**Figure S12:**  $^1\text{H}$  NMR Spectrum of **3** in  $\text{CDCl}_3$  (400 MHz)



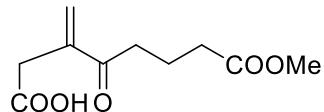
**Figure S13:**  $^{13}\text{C}$  NMR Spectrum of **3** in  $\text{CDCl}_3$  (100 MHz)



**Figure S14:** <sup>1</sup>H NMR Spectrum of **4** in CD<sub>3</sub>OD (400 MHz)



**Figure S15:** <sup>1</sup>H NMR Spectrum of **5** in CD<sub>3</sub>OD (400 MHz)



**Compound 1**

Structure Match      Filtering: Similarity: 3 Selected X Number of Components: 1 X      Clear All Filters

412 Results      Sort: Relevance ▾ View: Partial ▾

Rank	Compound ID	Similarity	Chemical Structure	Description	Action Buttons
1	159086-65-4	98 ***		C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> 6-[(2-Methyl-1-oxo-2-propenyl)oxy]-4-oxohexanoic acid	<input type="checkbox"/> 3 <input type="checkbox"/> 1 <input type="checkbox"/> 1
2	1391999-11-3	98 ***		(C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> ) <sub>x</sub> Butanedioic acid, 1-(4-methyl-3-oxo-4-pentenyl) ester, homopolymer	<input type="checkbox"/> 2 <input type="checkbox"/> 0 <input type="checkbox"/> 0
3	1246241-93-9	98 ***		C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> 1-(4-Methyl-3-oxo-4-pentenyl) butanediolate	<input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> 1
4	1009607-31-1	95 ***		C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> 2-{[2-(Methyl-1-oxo-2-propenyl)oxy]ethyl}-3-oxobutanoic acid	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 1
5	1884338-80-0	95 ***		C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> 3-Carboxy-3-butene-1-yl 4-oxopentanoate	<input type="checkbox"/> 2 <input type="checkbox"/> 2 <input type="checkbox"/> 0
6	2120428-22-8	94 ***		C <sub>11</sub> H <sub>16</sub> O <sub>5</sub> 1-Ethyl 2-(1-oxo-4-pentenyl)butanediolate	<input type="checkbox"/> 1 <input type="checkbox"/> 3 <input type="checkbox"/> 0

**Figure S16:** Scifinder similarity report for compound 1