

Supporting Information

Rec. Nat. Prod. X:X (2025) XX-XX

A New Lignan from the Leaves and Stems of the Plant

Melaleuca bracteata F. Muell.

Qinglin Hou, Weiqiang Fei and Shan Wang*

Hangzhou Vocational & Technical College, Hangzhou 310018, China

Table of Contents	Page
Figure S1: ¹ H NMR Spectrum of 1 in Acetone- <i>d</i> ₆ (400 MHz)	2
Figure S2: ¹³ C NMR Spectrum of 1 in Acetone- <i>d</i> ₆ (100 MHz)	2
Figure S3: HSQC Spectrum of 1 in Acetone- <i>d</i> ₆	3
Figure S4: ¹ H- ¹ H COSY Spectrum of 1 in Acetone- <i>d</i> ₆	3
Figure S5: HMBC Spectrum of 1 in Acetone- <i>d</i> ₆	4
Figure S6: NOESY Spectrum of 1 in Acetone- <i>d</i> ₆	4
Figure S7: ¹ H NMR Spectrum of 2 in Methanol- <i>d</i> ₄ (400 MHz)	5
Figure S8: ¹ H NMR Spectrum of 3 in CDCl ₃ (400 MHz)	5
Figure S9: HRESIMS spectrum of 1	6
Figure S10: Search Report of SciFinder for Compound 1	6

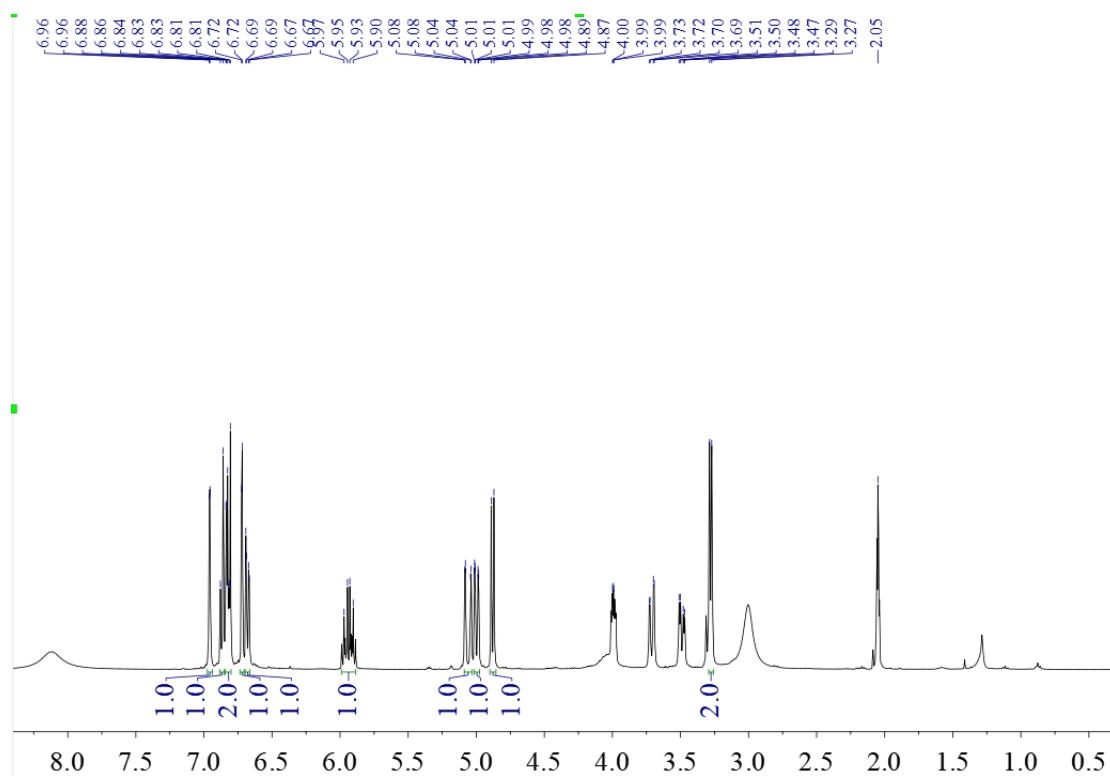
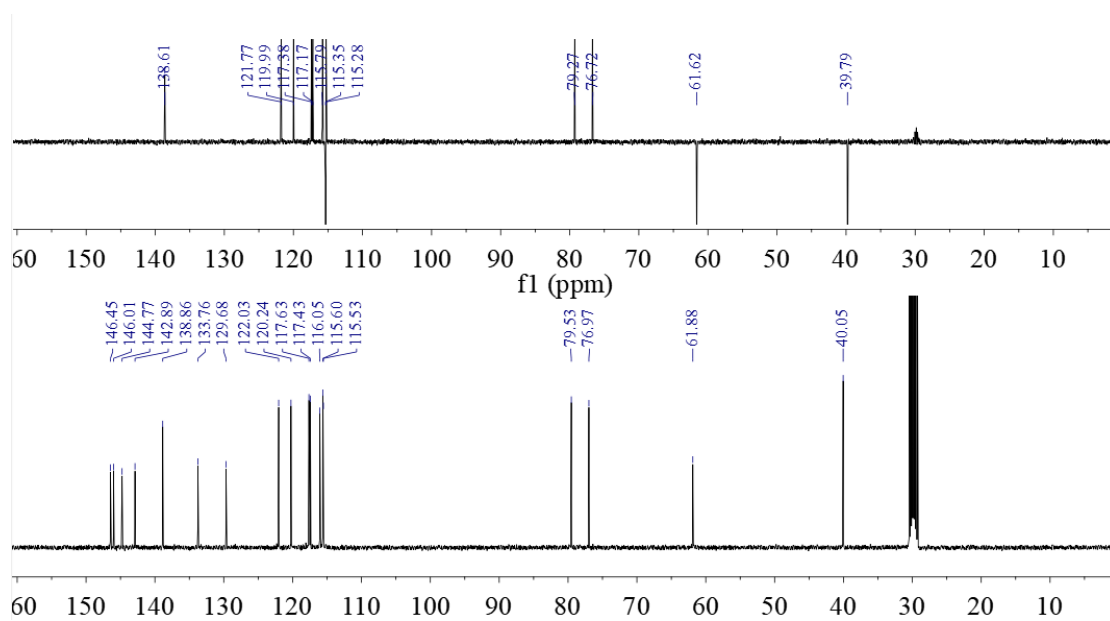


Figure S1: ¹H NMR Spectrum of **1** in Acetone-*d*₆ (400 MHz)



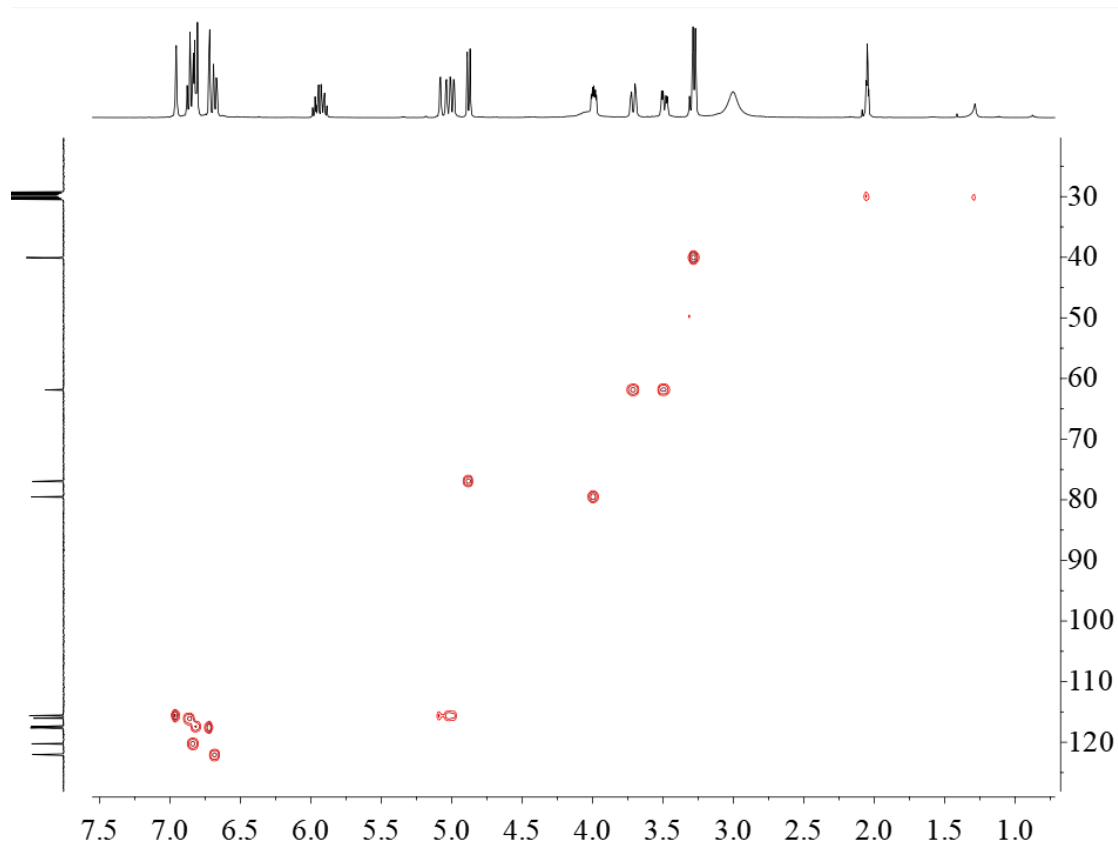


Figure S3: HSQC Spectrum of **1** in Acetone- d_6

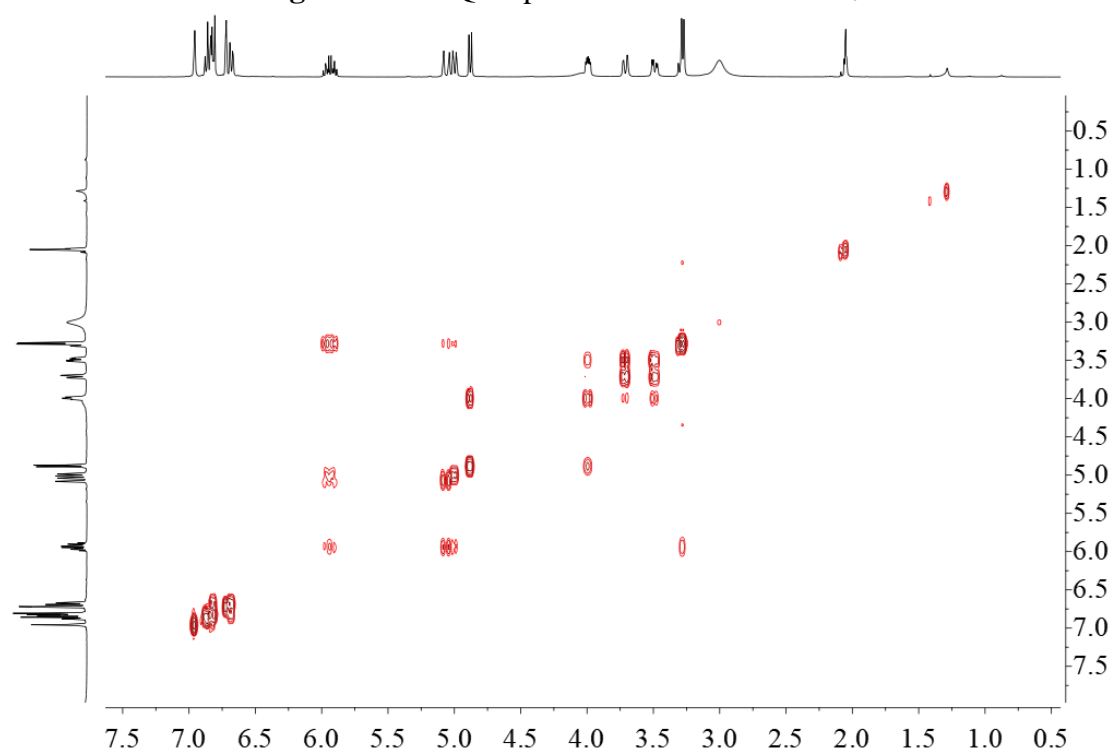


Figure S4: ^1H - ^1H COSY Spectrum of **1** in Acetone- d_6

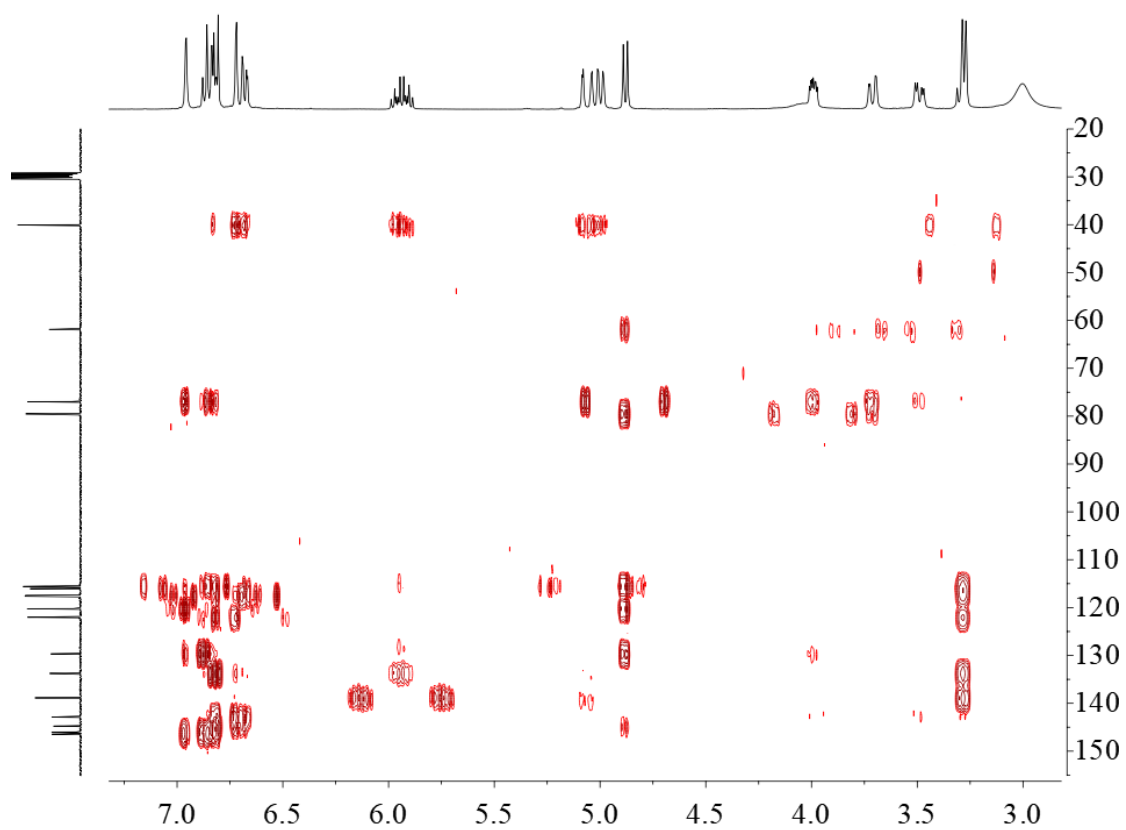


Figure S5: HMBC Spectrum of **1** in Acetone- d_6

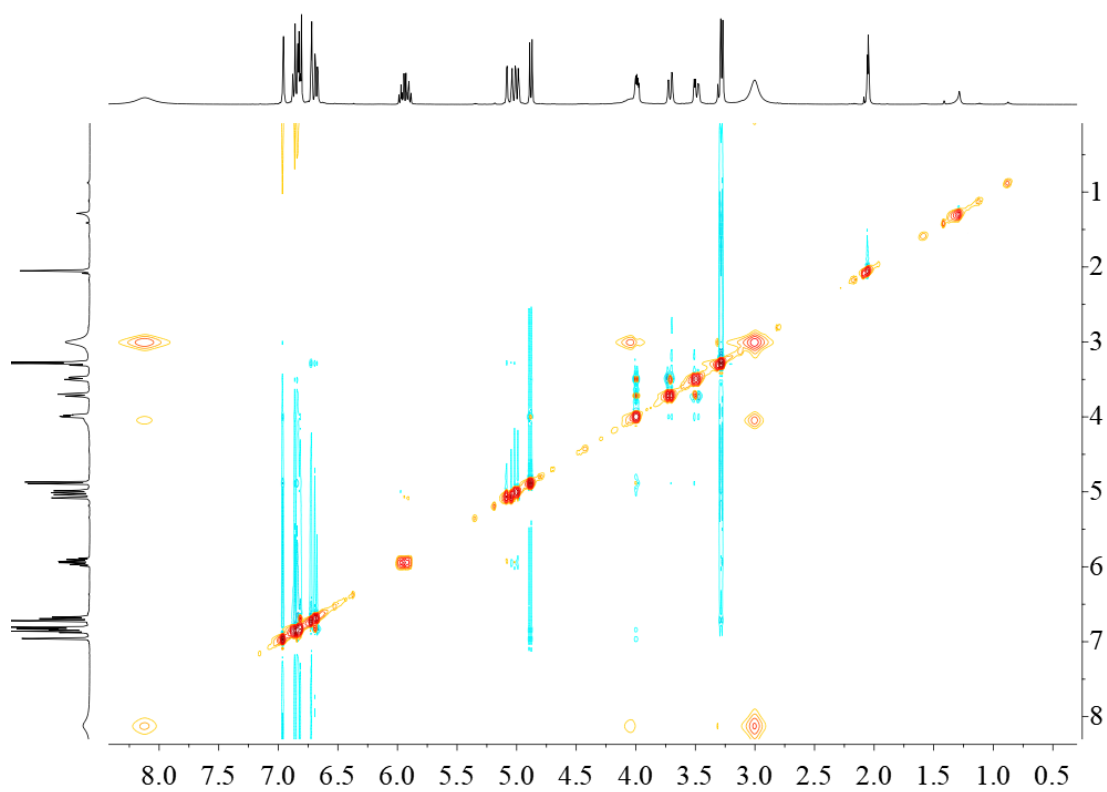


Figure S6: NOESY Spectrum of **1** in Acetone- d_6

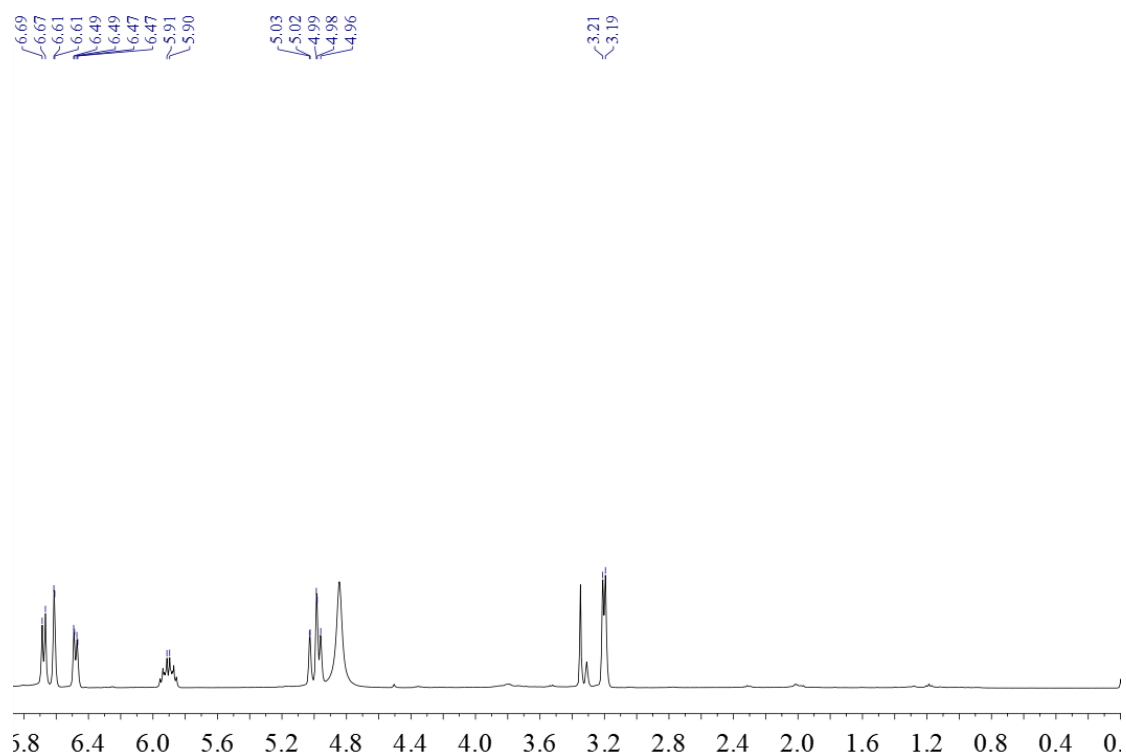


Figure S7: ^1H NMR Spectrum of **2** in Methanol- d_4 (400 MHz)

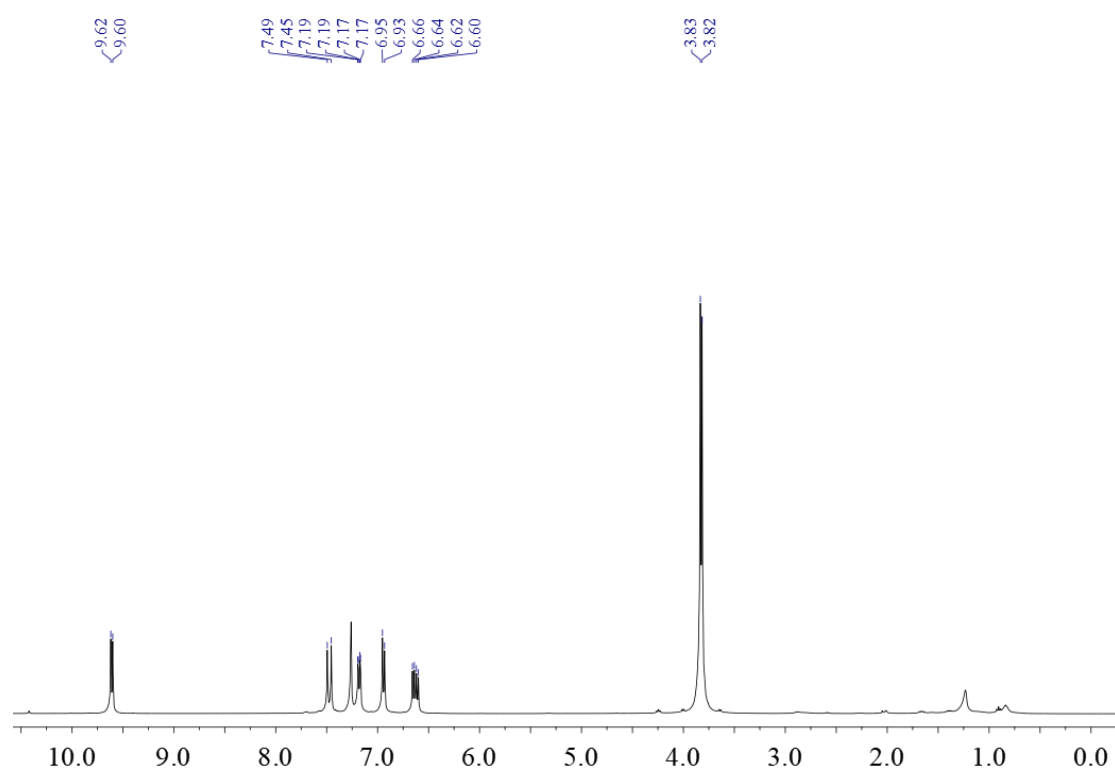


Figure S8: ^1H NMR Spectrum of **3** in CDCl_3 (400 MHz)

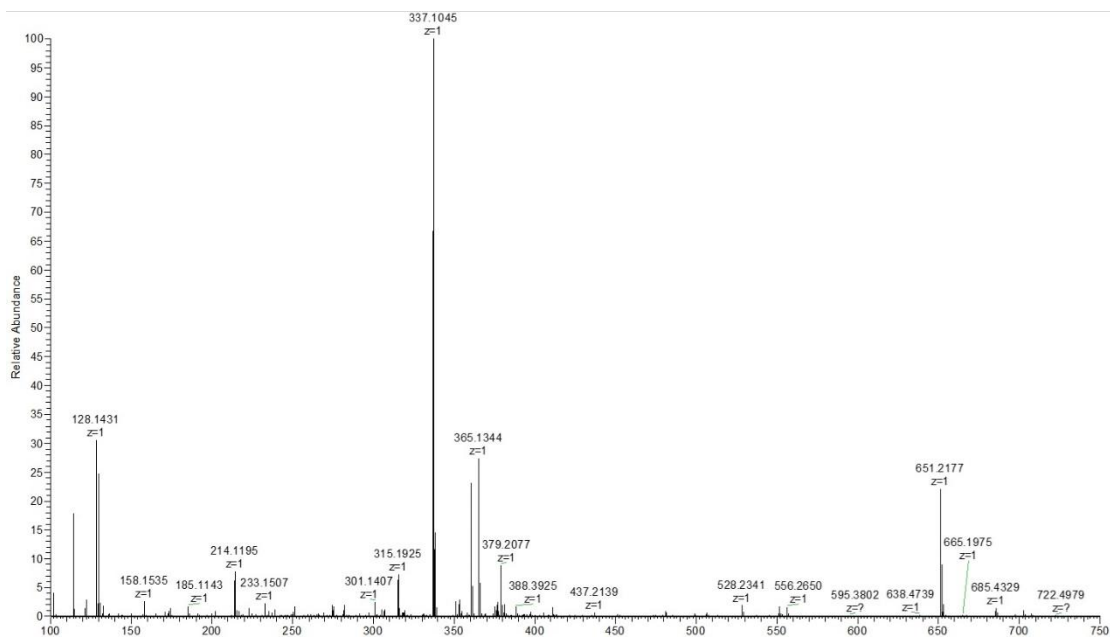


Figure S9: HRESIMS Spectrum of 1.

109 Results Sort: Relevance View: Partial

<p>1 96</p> <p>1309608-05-6</p> <p>C₁₉H₂₀O₅ 2,3-Dihydro-3-(4-hydroxy-3-methoxyphenyl)-6-(2-propen-1-yl)-1,4-benzodioxin-2-methanol</p> <p>Reference: 1 Reactions: 5 Supplier: 1</p>	<p>2 96</p> <p>74741-32-5</p> <p>C₁₉H₂₀O₅ 1,4-Benzodioxin-2-methanol, 2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-6-(2-propen-1-yl)-</p> <p>Reference: 1 Reaction: 1 Supplier: 1</p>	<p>3 93</p> <p>2583632-30-6</p> <p>C₁₉H₂₀O₄ rel-4-[(2R,3R)-2,3-Dihydro-3-methyl-7-(2-propen-1-yl)-1,4-benzodioxin-2-yl]-2-methoxy-1,4-benzodioxin-2-methanol</p> <p>Reference: 1 Reactions: 0 Suppliers: 0</p>
<p>4 93</p> <p>1372195-93-1</p> <p>C₁₈H₂₀O₅ rel-(2R,3S)-6-Ethyl-2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-1,4-benzodioxin-2-methanol</p> <p>Reference: 1 Reaction: 1 Suppliers: 0</p>	<p>5 93</p> <p>1372195-92-0</p> <p>C₁₈H₂₀O₅ rel-(2R,3R)-6-Ethyl-2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-1,4-benzodioxin-2-methanol</p> <p>Reference: 1 Reaction: 1 Suppliers: 0</p>	<p>6 91</p> <p>74741-31-4</p> <p>C₁₇H₁₈O₅ 1,4-Benzodioxin-2-methanol, 2,3-dihydro-3-(4-hydroxy-3-methoxyphenyl)-6-methyl-</p> <p>Reference: 1 Reaction: 1 Supplier: 1</p>

Figure S10: SciFinder report for compound 1