

Supporting Information

Rec. Nat. Prod. 17:1 (2023) 170-173

Furan Derivatives and Amides from *Elaeocarpus apiculatus*

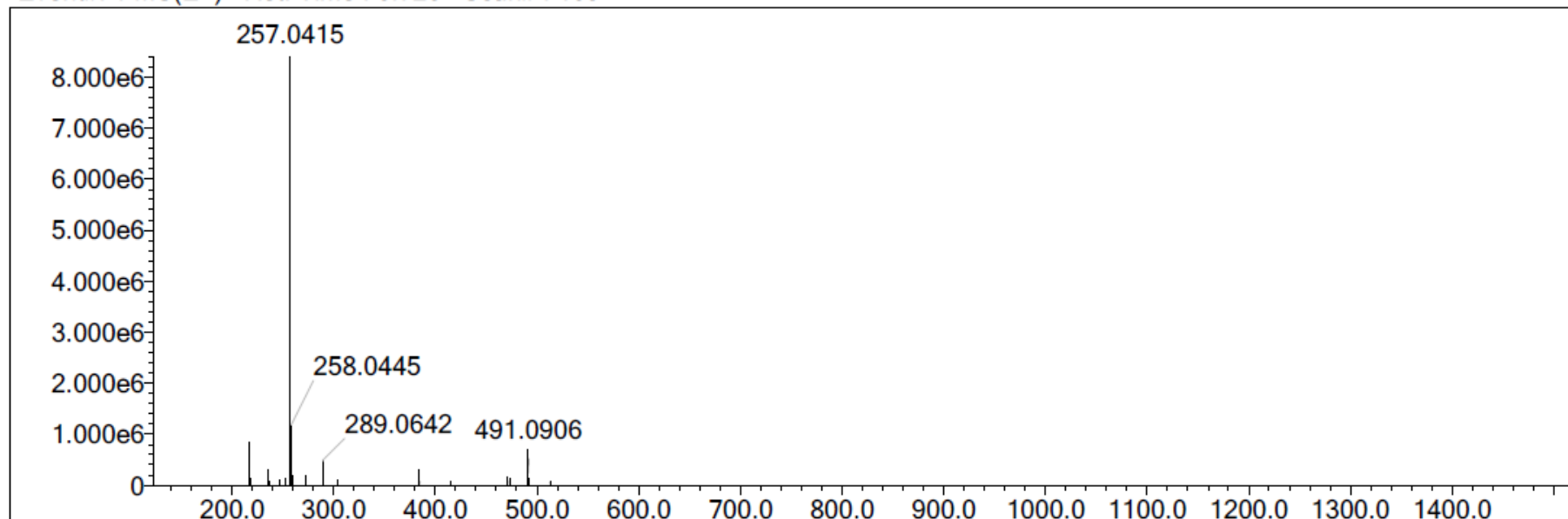
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² Betta Pharmaceutical Co., Ltd., Hangzhou 311100, China

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Event#: 1 MS(E+) Ret. Time : 0.720 Scan# : 109



Formula (M)		Meas. m/z	Pred. m/z	Df. (ppm)
C12 H10 O5	[M+Na] ⁺	257.0415	257.0420	-1.95

Figure S1: HR-ESI-MS spectrum of **1**

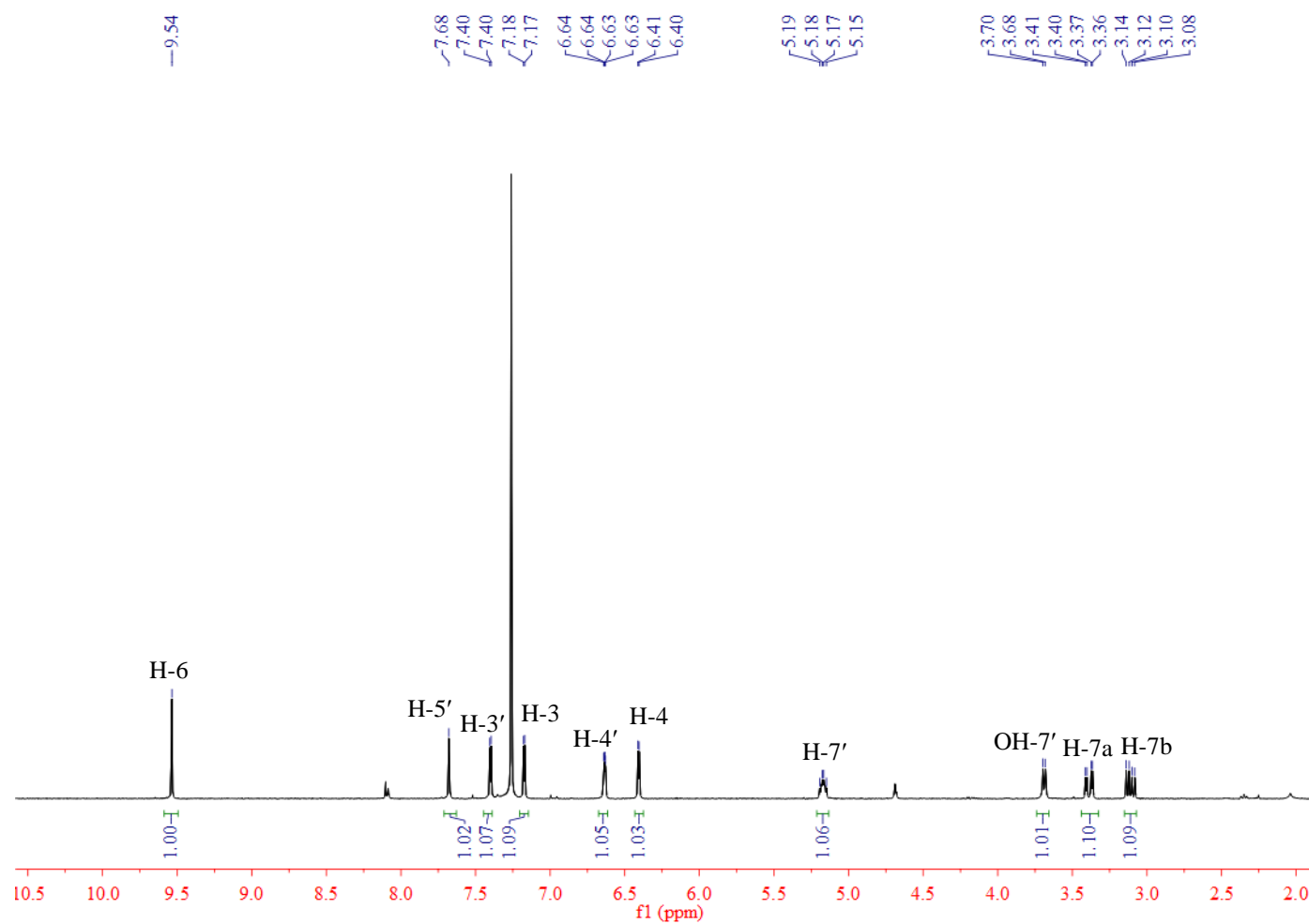


Figure S2: ¹H-NMR (400 MHz, CDCl₃) spectrum of **1**

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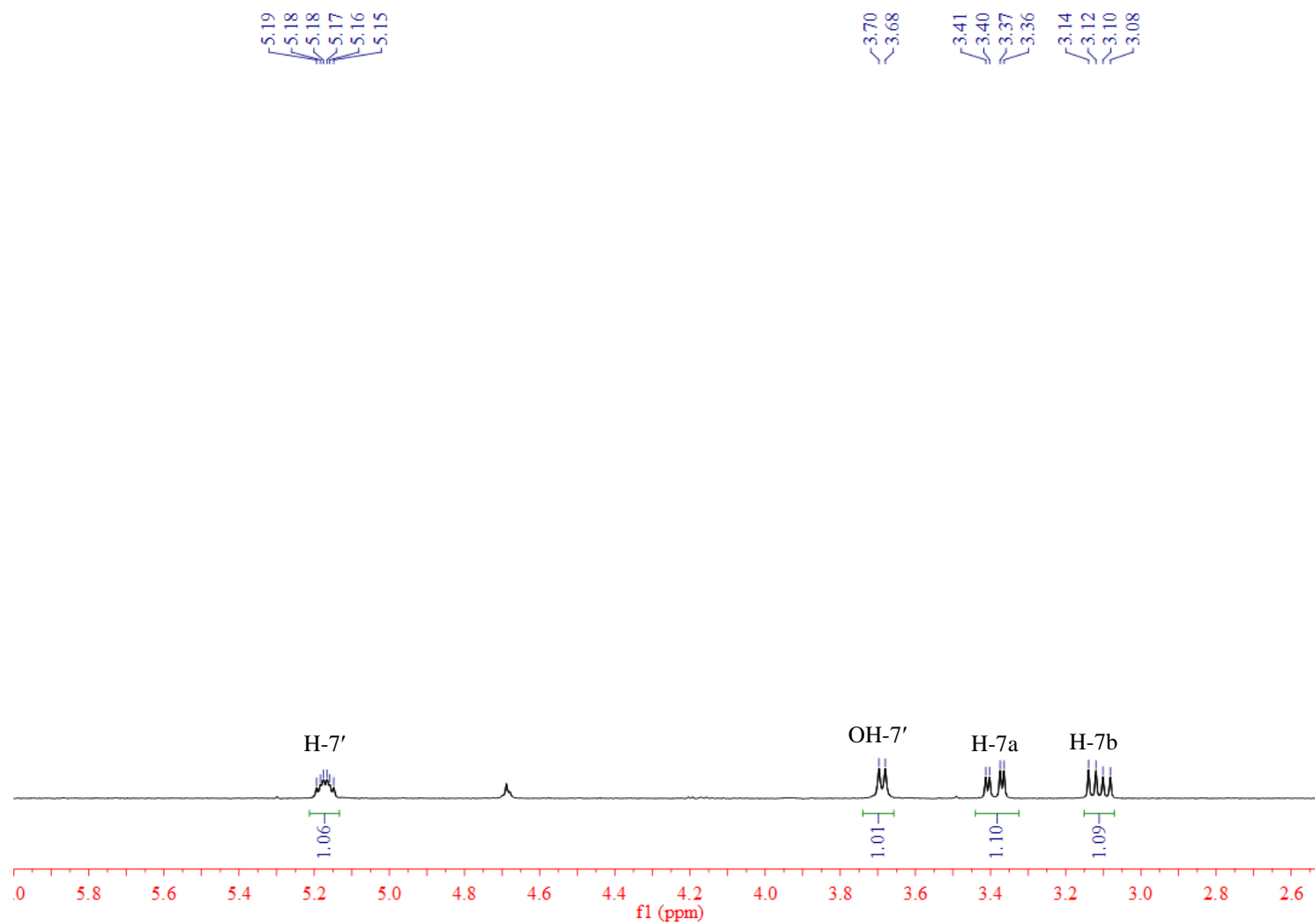


Figure S3: Enlarged ^1H -NMR (400 MHz, CDCl_3) spectrum of **1** (from δ_{H} 2.5-6 ppm)

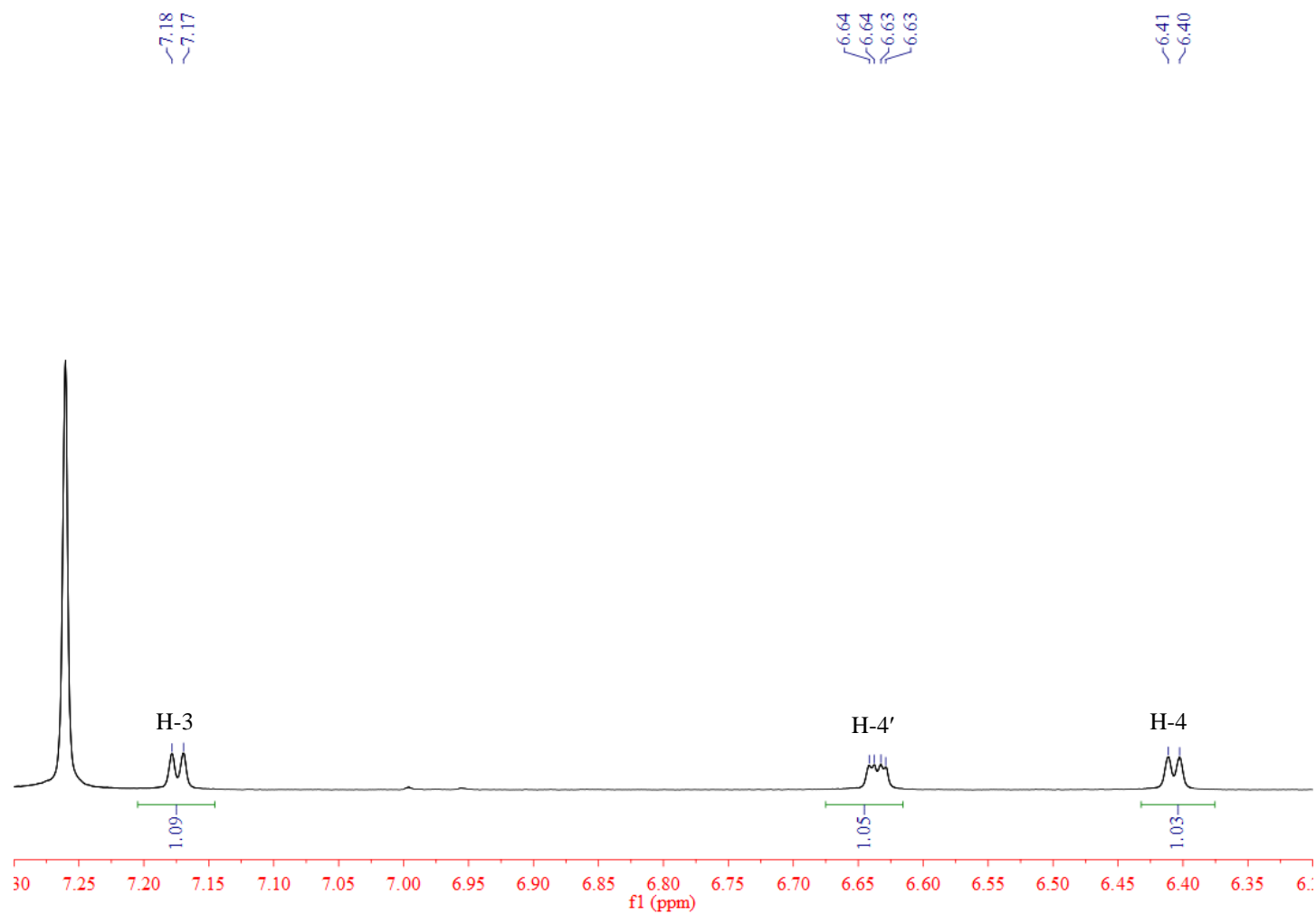


Figure S4: Enlarged ^1H -NMR (400 MHz, CDCl_3) spectrum of **1** (from δ_{H} 6.3-7.3 ppm)

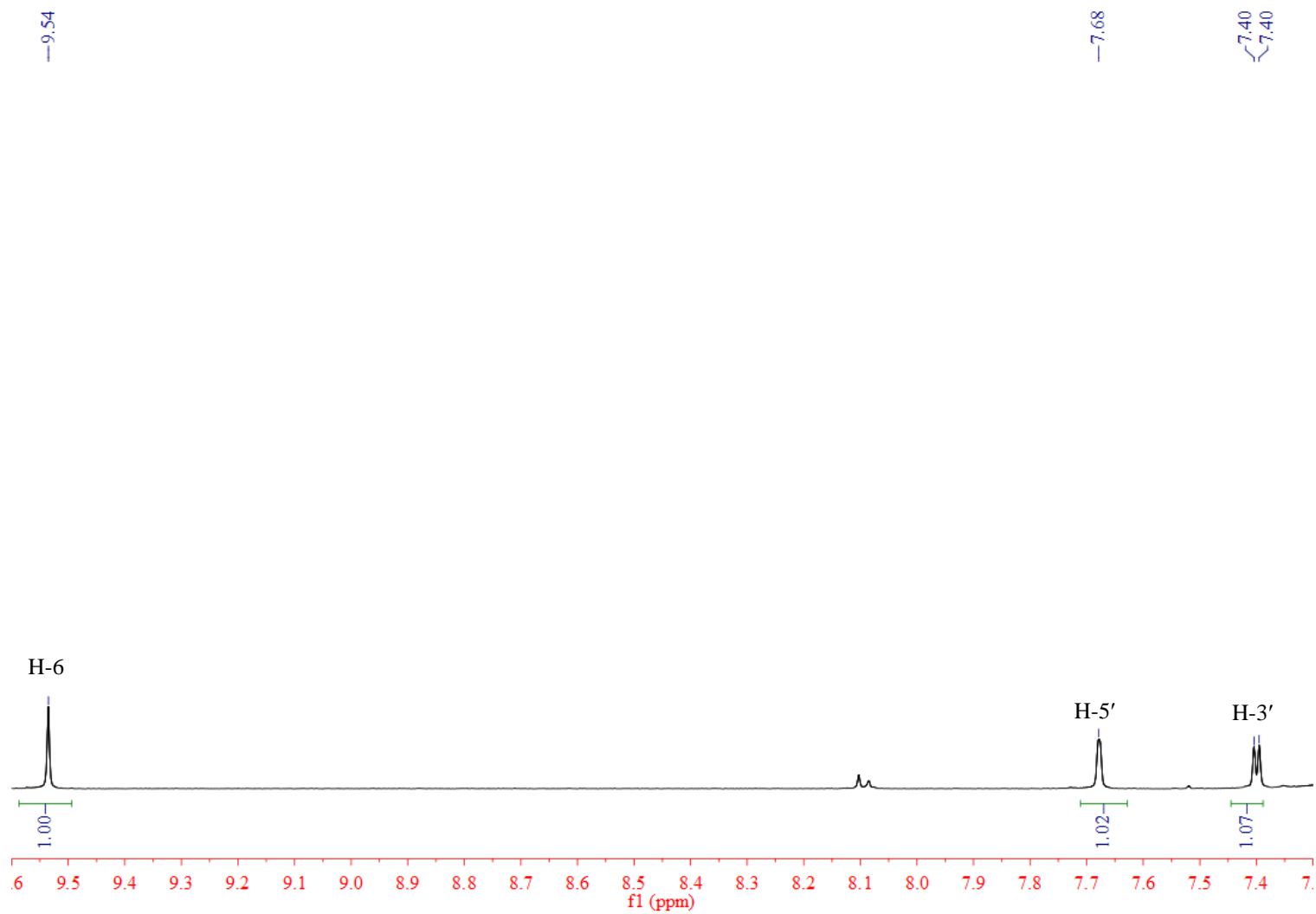


Figure S5: Enlarged ^1H -NMR (400 MHz, CDCl_3) spectrum of **1** (from δ_{H} 7.3-9.6 ppm)

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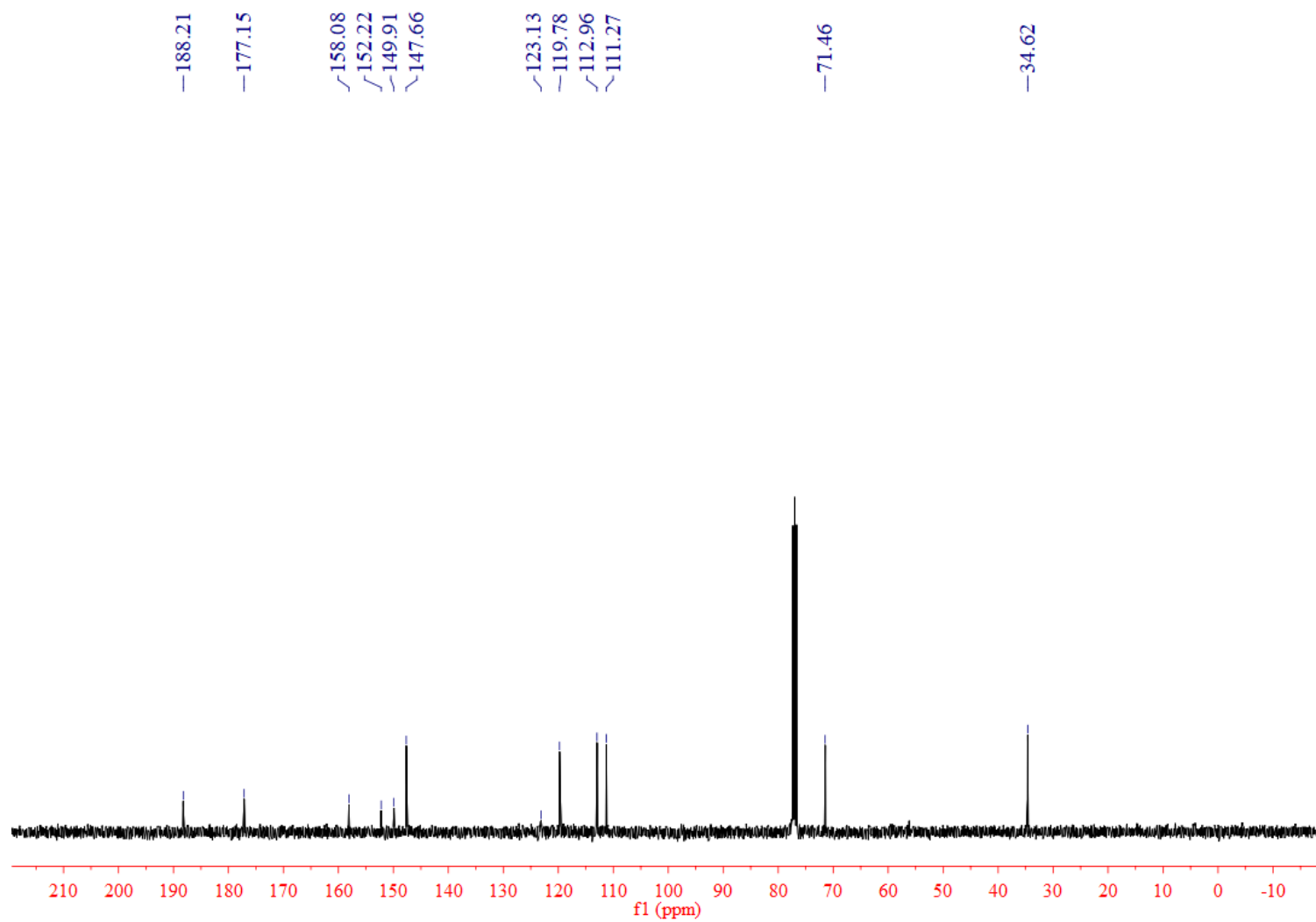


Figure S6: ^{13}C -NMR (100 MHz, CDCl_3) spectrum of **1**

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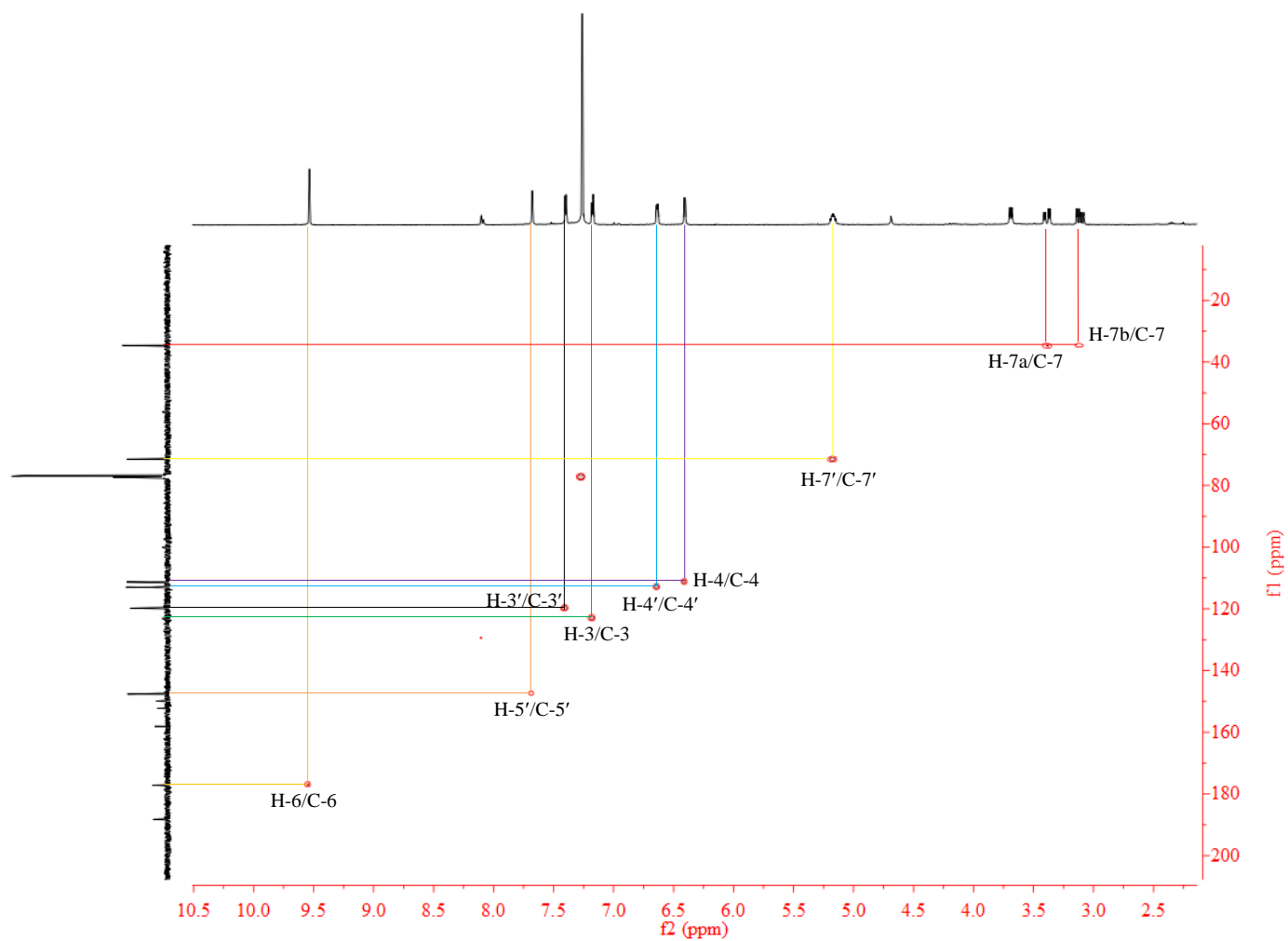


Figure S7: HSQC spectrum of **1**

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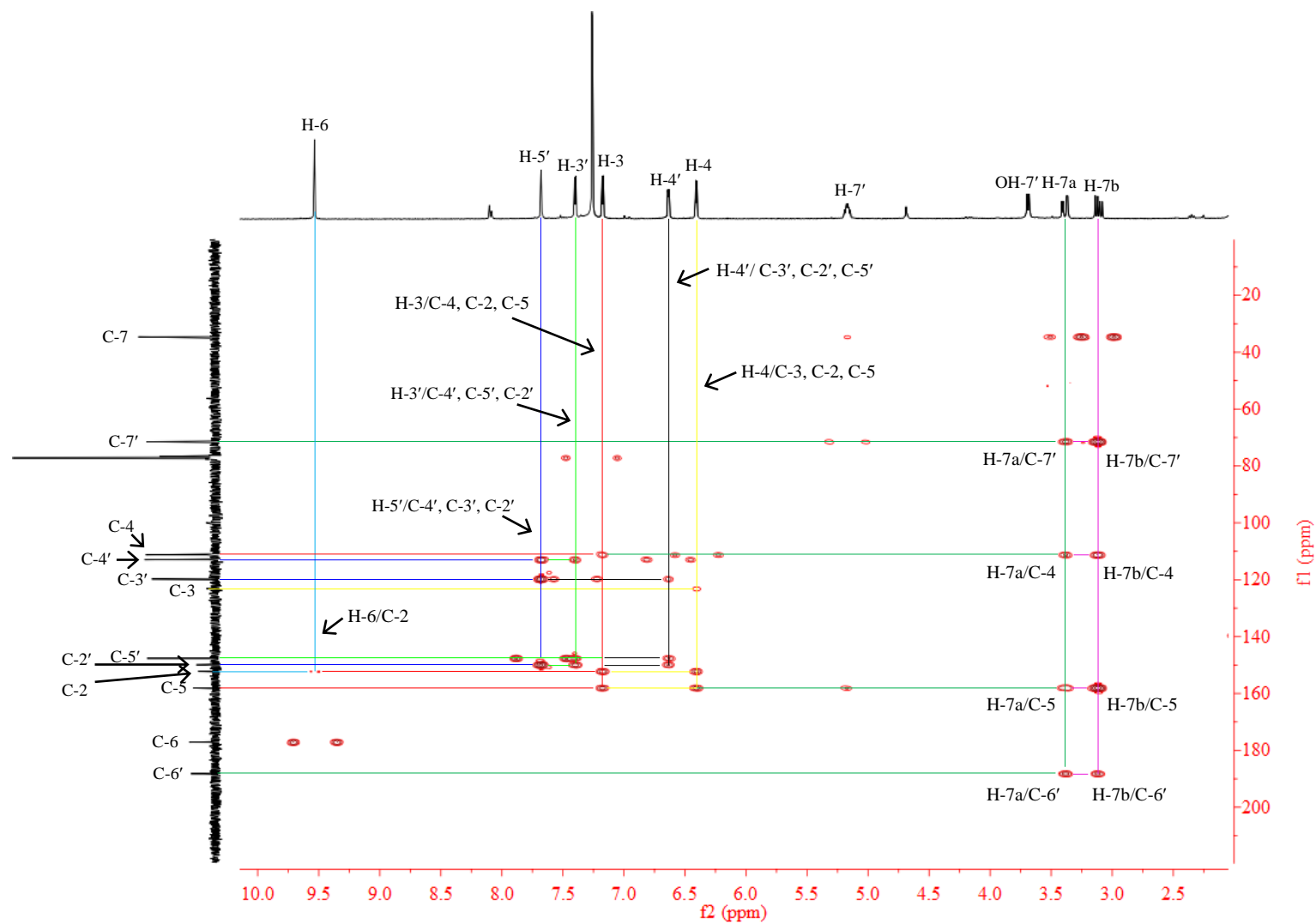


Figure S8: HMBC spectrum of 1

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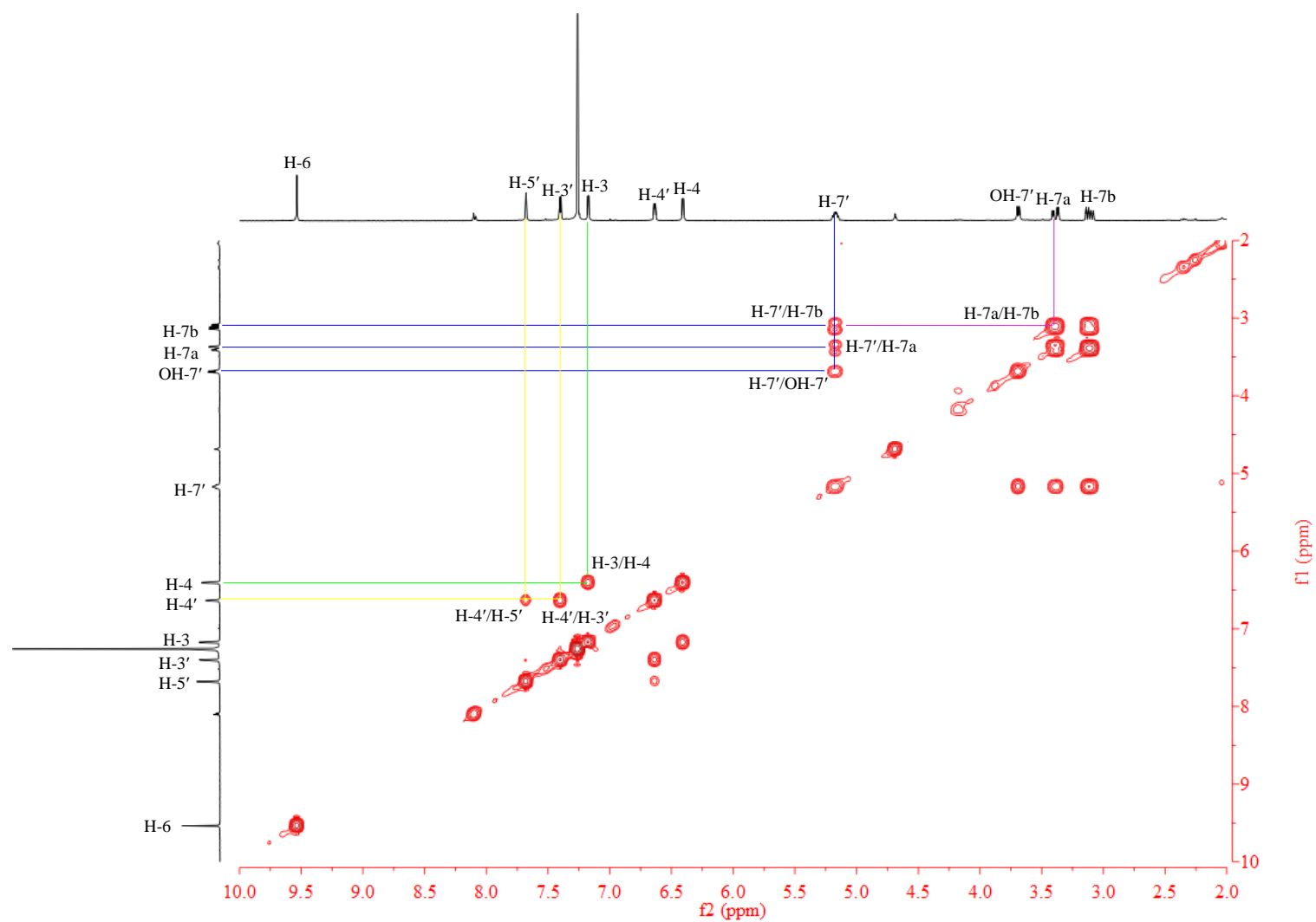


Figure S9: ^1H - ^1H COSY spectrum of **1**

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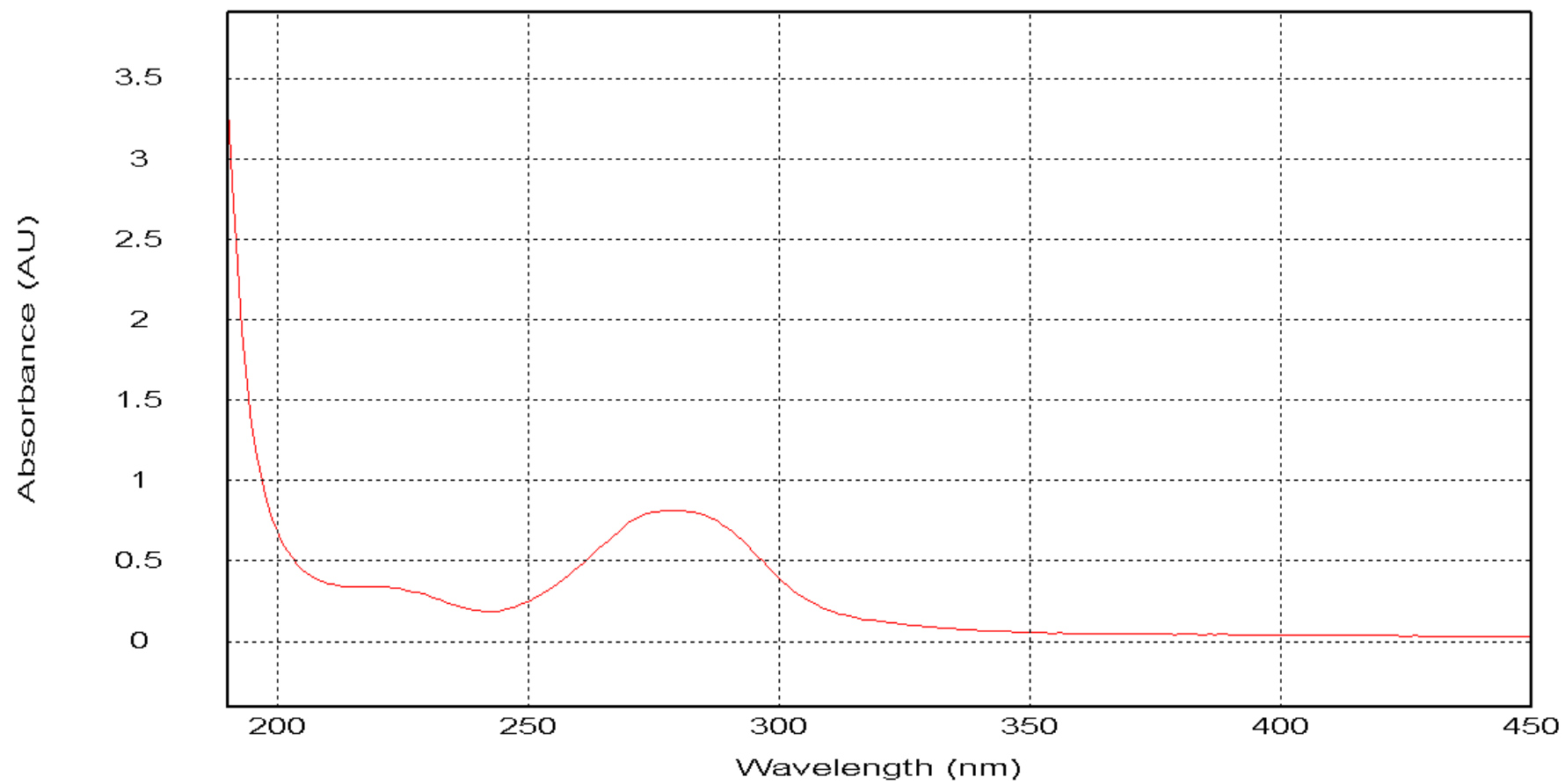


Figure S10: UV spectrum of **1**

<Chromatogram>

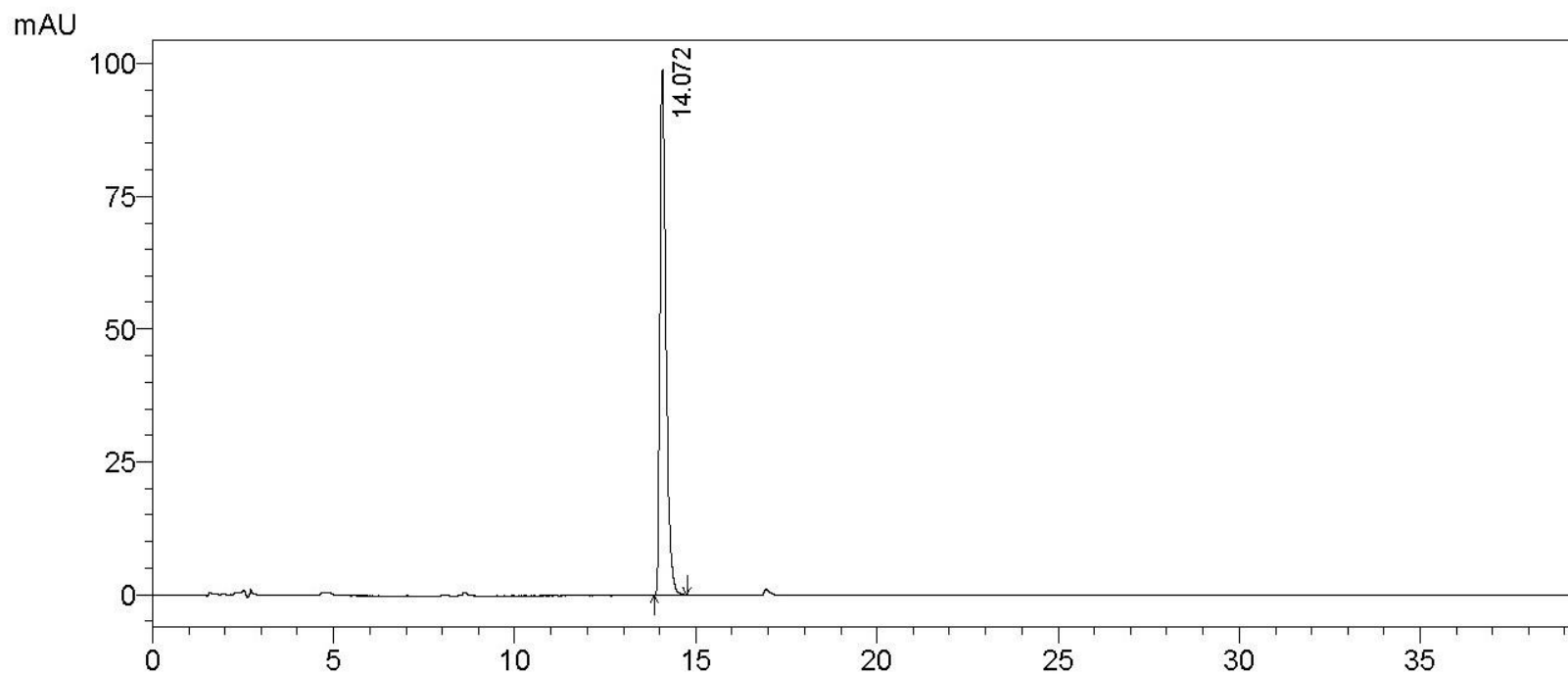


Figure S11: HPLC chromatogram of **1**

Editor's Note: if the compound is racemic, Why do not we observe the two peaks in a chiral column) Would you like to clarify it?

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Chemical Structure substructure > substances (0)

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Company Name

Document Identifier

Journal

Patent

Tags

SUBSTANCES

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Markush

Molecular Formula

Property

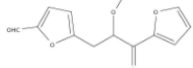
Substance Identifier

REACTIONS

Reaction Structure

SUBSTANCES: CHEMICAL STRUCTURE

Structure Editor:



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☐ Exact Structure

☐ Substructure

☒ Similarity

☐ Show precision analysis

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Select All Deselect All

0 of 8 Similarity Candidates Selected

	Substances
<input type="checkbox"/> ≥ 99 (most similar)	0
<input type="checkbox"/> 95-98	1
<input type="checkbox"/> 90-94	2
<input type="checkbox"/> 85-89	16
<input type="checkbox"/> 80-84	129
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<input type="checkbox"/> 70-74	1426
<input type="checkbox"/> 65-69	4144
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Chemical Structure similarity > substances (3)

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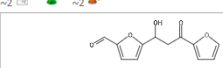
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Sort by: Similarity Score

0 of 3 Substances Selected

Score: 96

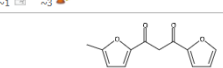
☐ 1. 122945-28-2



C₁₂ H₁₀ O₅
2-Furanal, 5-[3-(2-furyl)-1-hydroxy-3-oxopropyl]-
[Key Physical Properties](#)

Score: 92

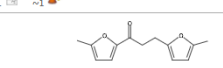
☐ 2. 217965-88-3



C₁₂ H₁₀ O₄
1,3-Propanedione, 1-(2-furyl)-3-(5-methyl-2-furyl)-
[Key Physical Properties](#)

Score: 90

☐ 3. 224033-97-0



C₁₃ H₁₄ O₃
1-Propanone, 1,3-bis(5-methyl-2-furyl)-
[Key Physical Properties](#)

Figure S12: Scifinder search of 1

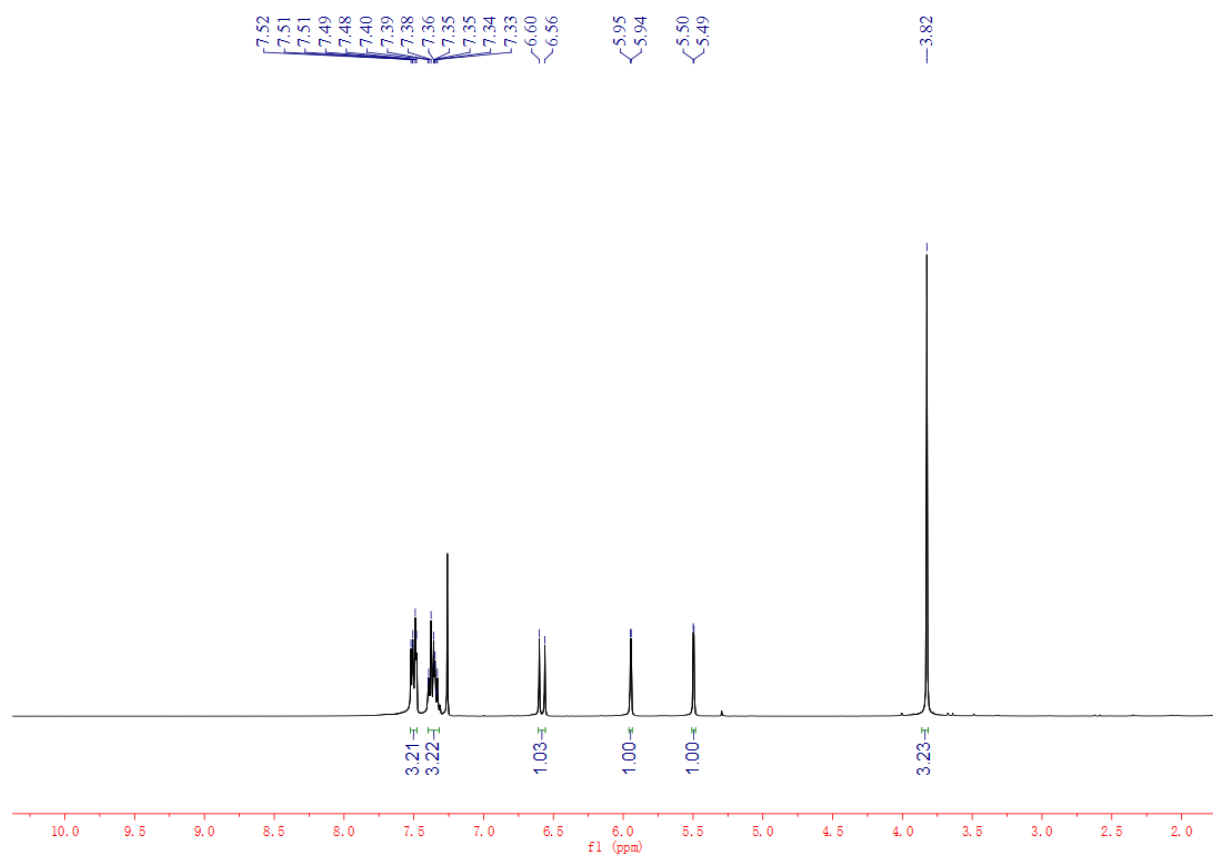


Figure S13: ^1H -NMR (400 MHz, CDCl_3) spectrum of **2**

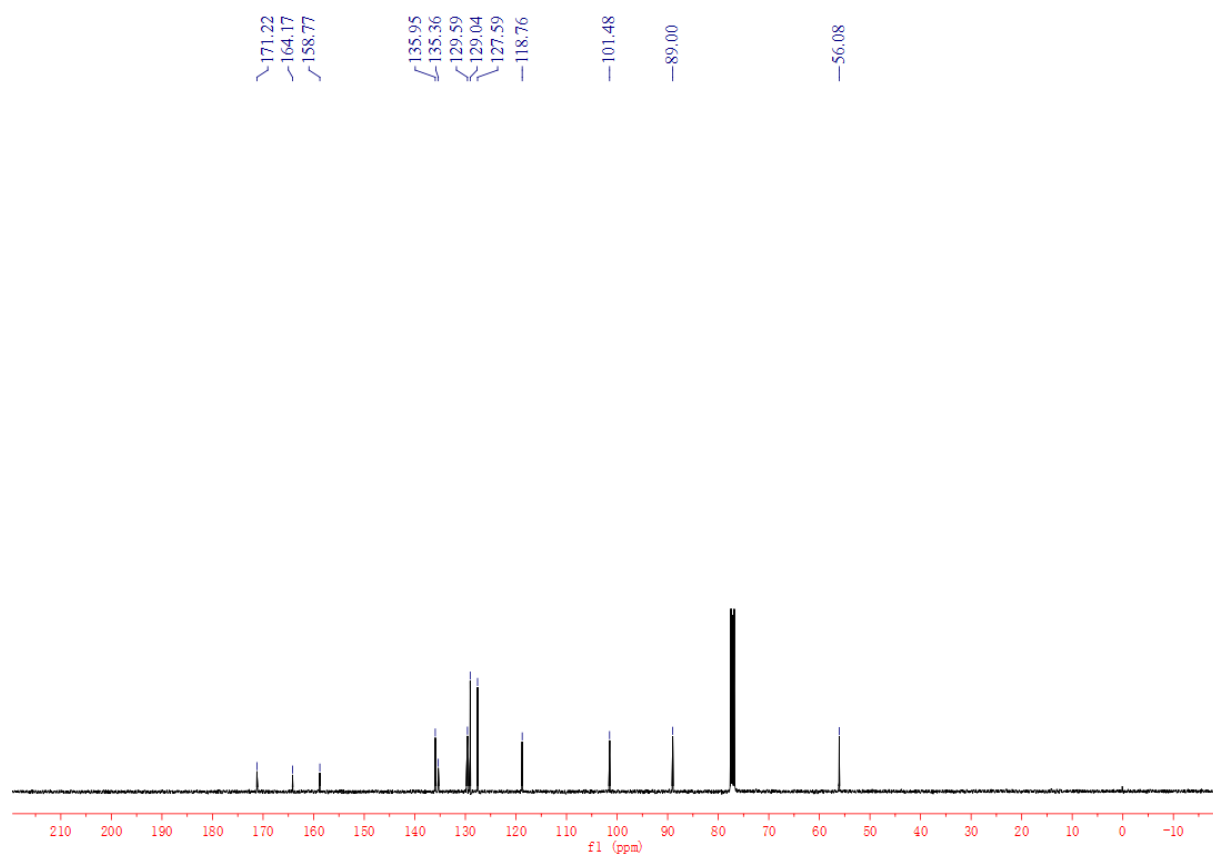


Figure S14: ^{13}C -NMR (100 MHz, CDCl_3) spectrum of **2**

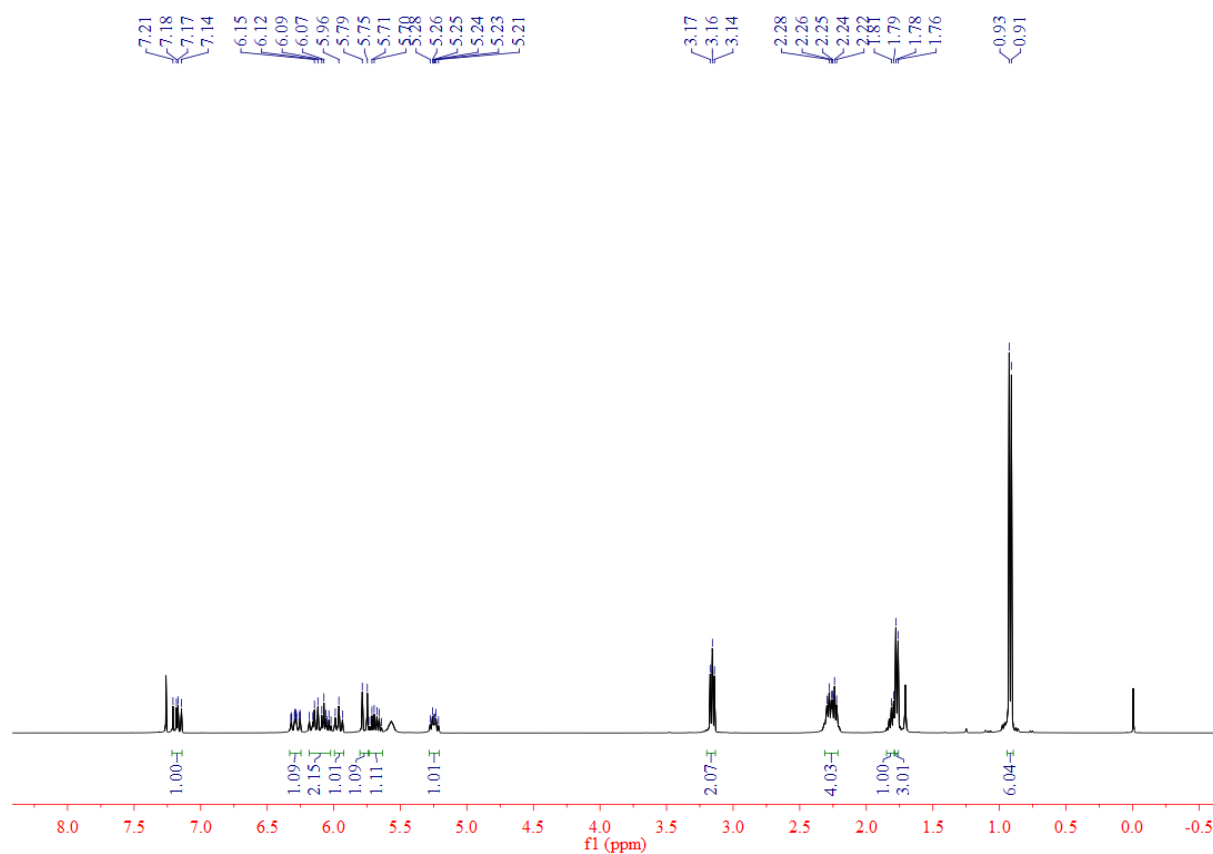


Figure S15: ^1H -NMR (400 MHz, CDCl_3) spectrum of **3**

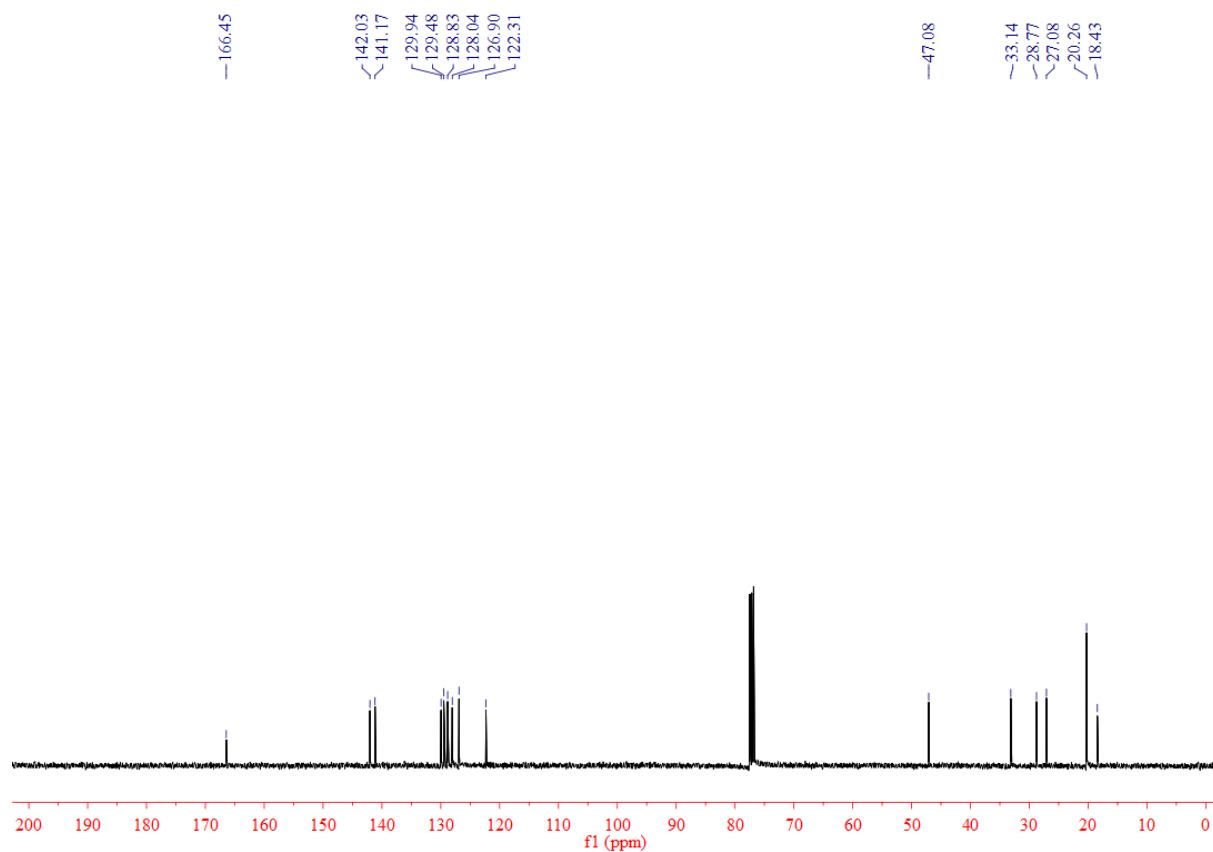


Figure S16: ^1H -NMR (400 MHz, CDCl_3) spectrum of **3**

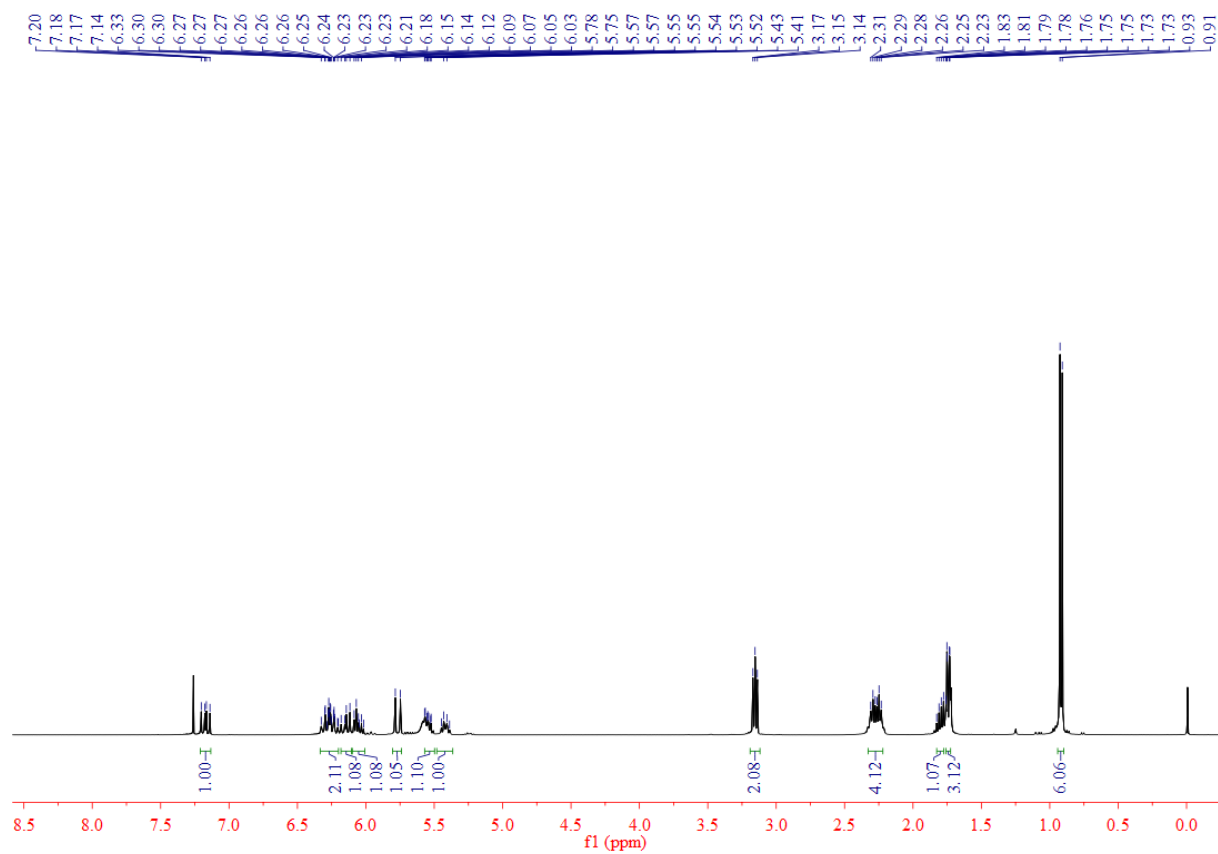


Figure S17: ^1H -NMR (400 MHz, CDCl_3) spectrum of **4**

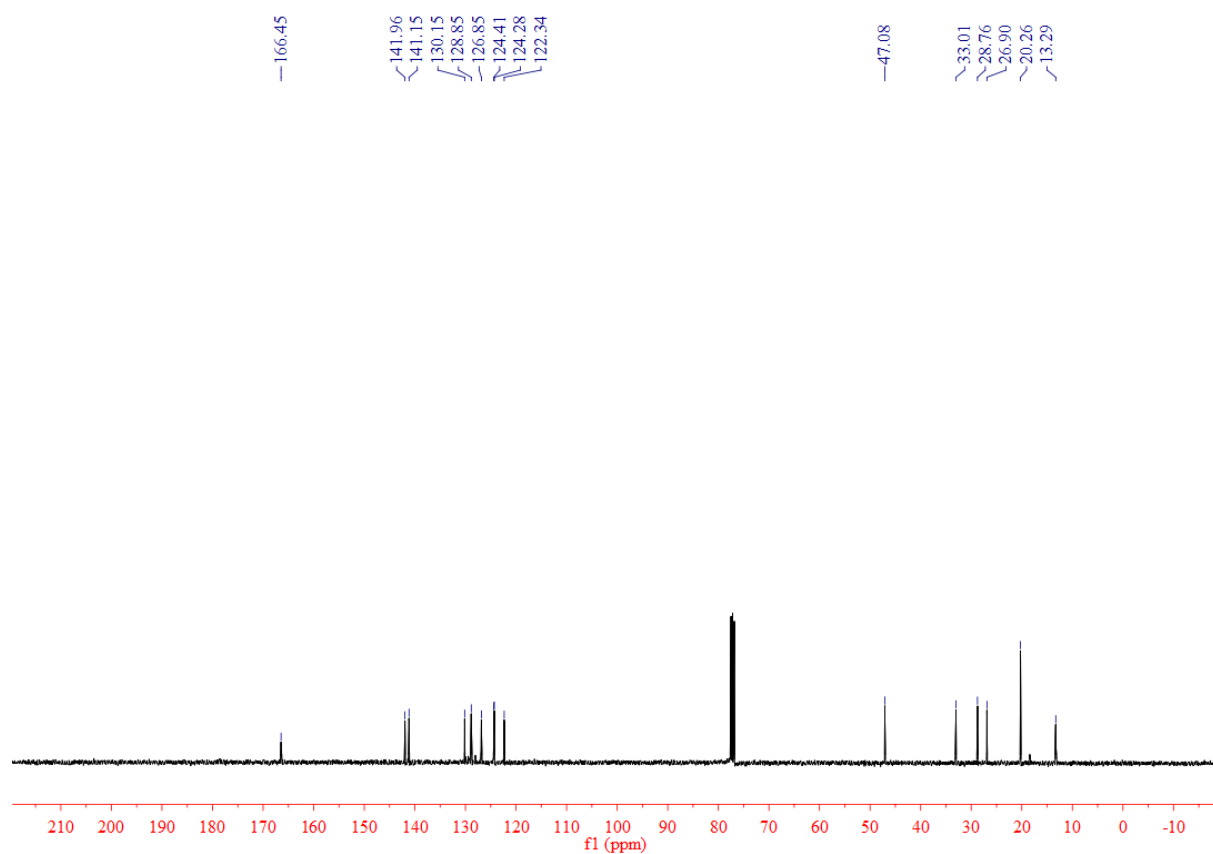


Figure S18: ^{13}C -NMR (100 MHz, CDCl_3) spectrum of **4**

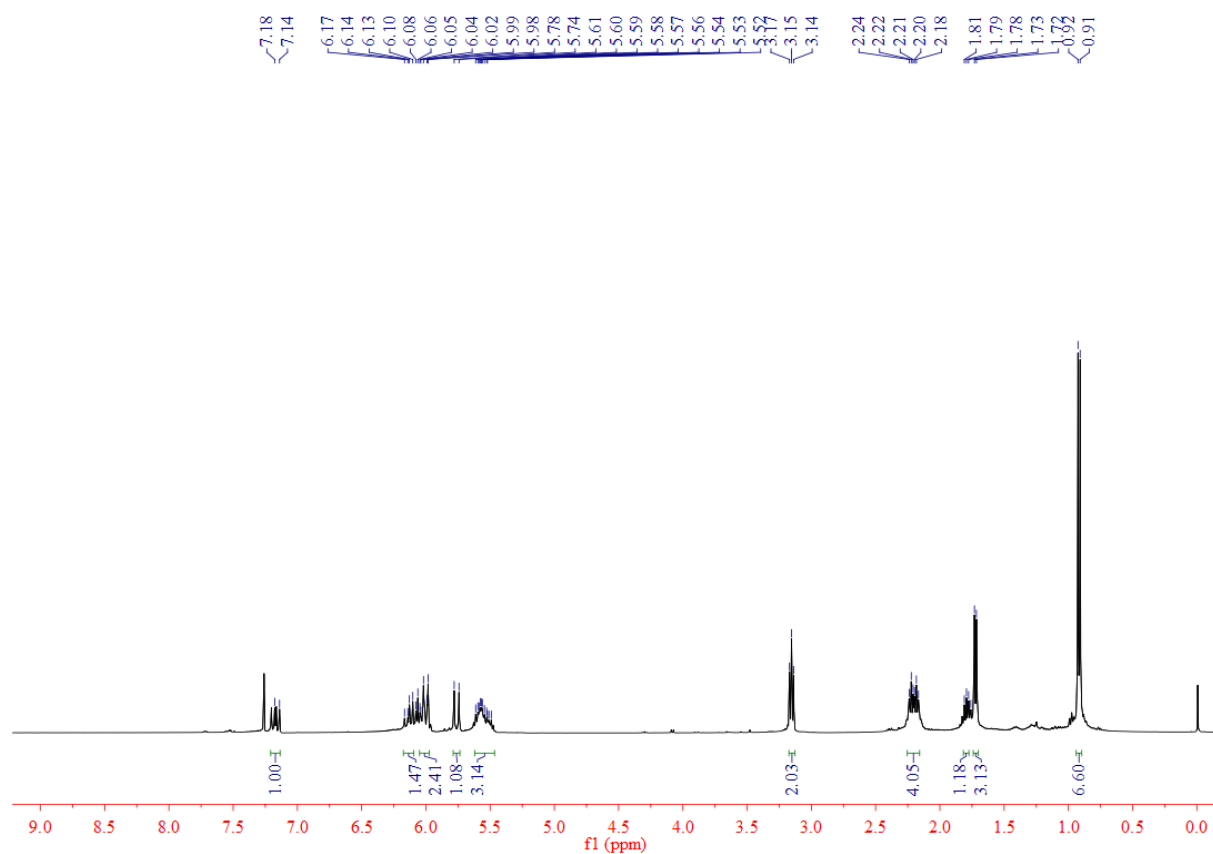


Figure S19: ^1H -NMR (400 MHz, CDCl_3) spectrum of **5**

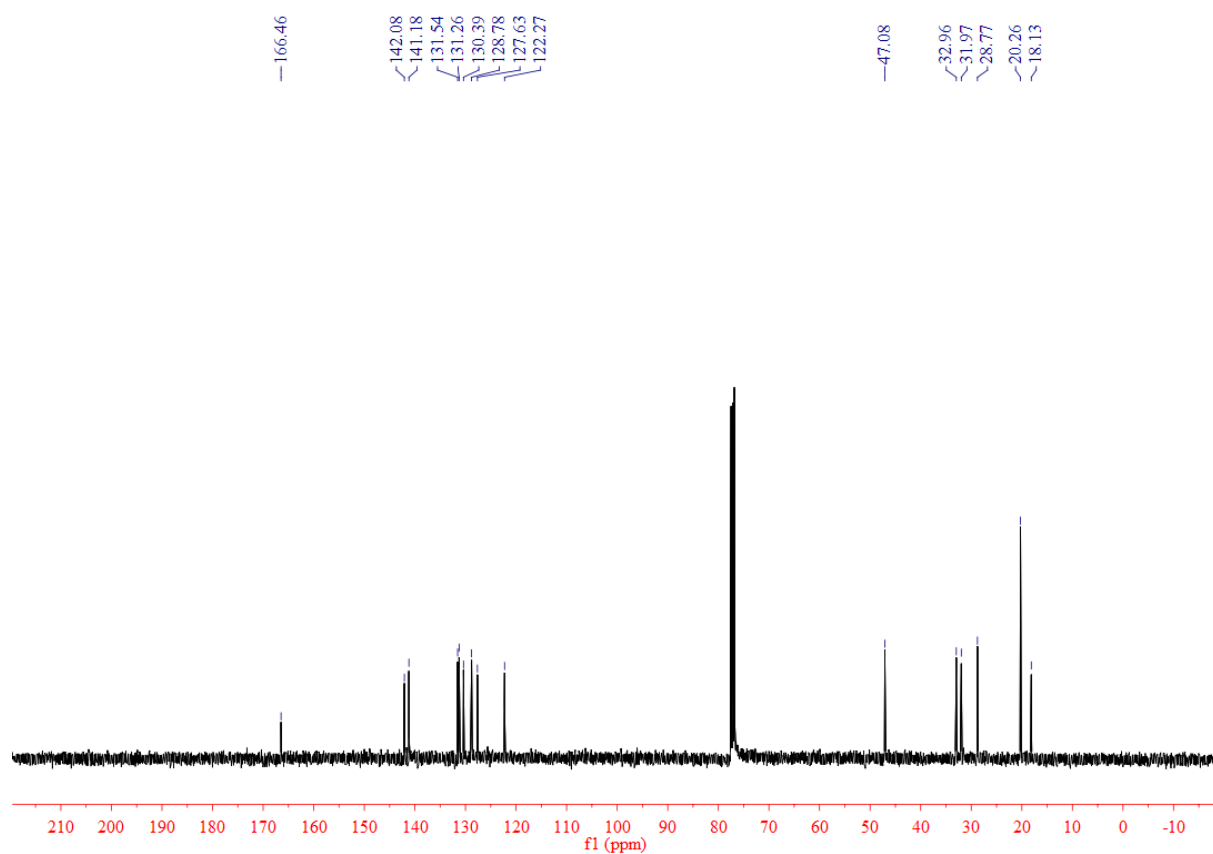


Figure S20: ^{13}C -NMR (100 MHz, CDCl_3) spectrum of **5**