

Supporting Information

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Anti-inflammatory Diterpenoid Alkaloids from *Aconitum taipeicum*

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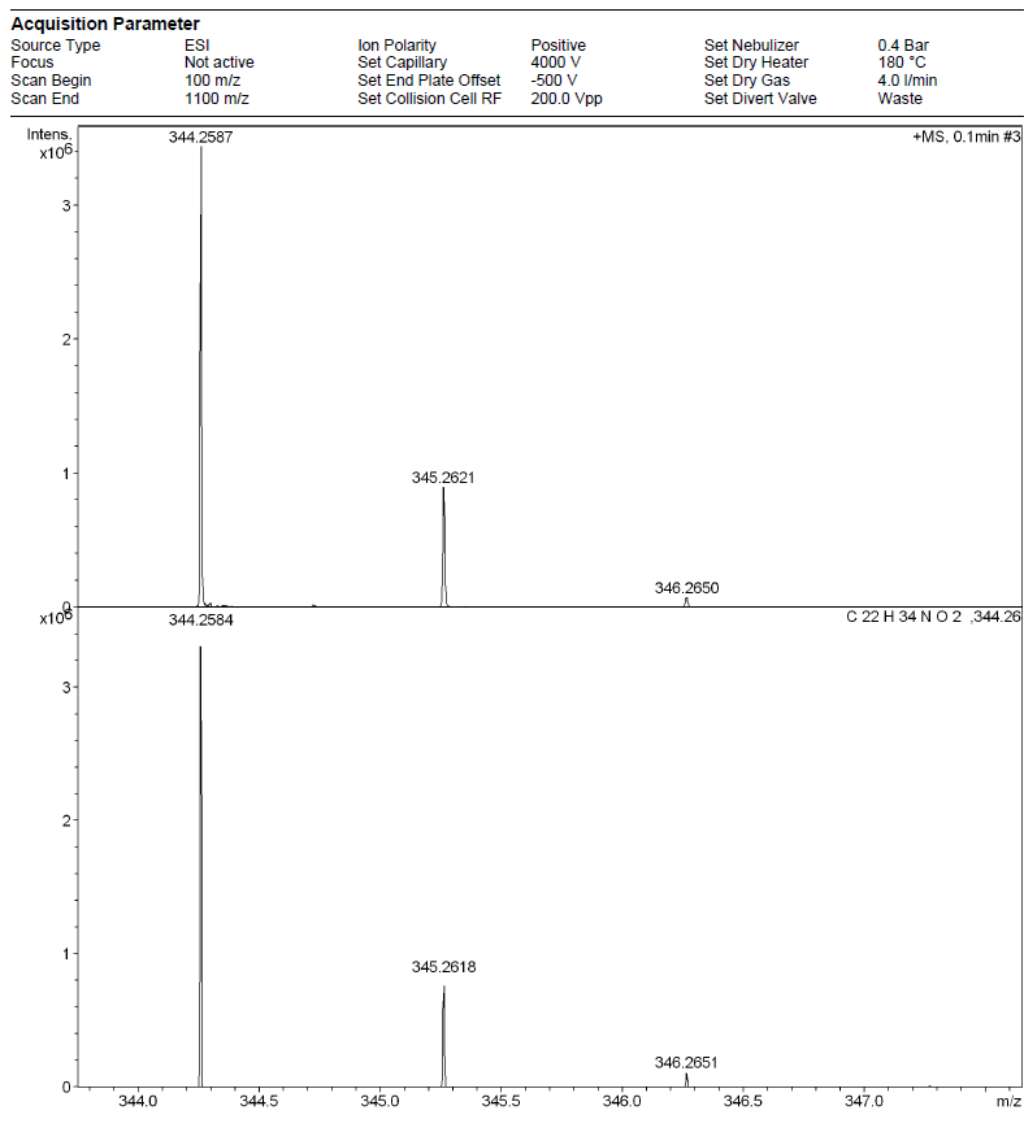


Figure S1: HR-ESI-MS spectrum of **1**

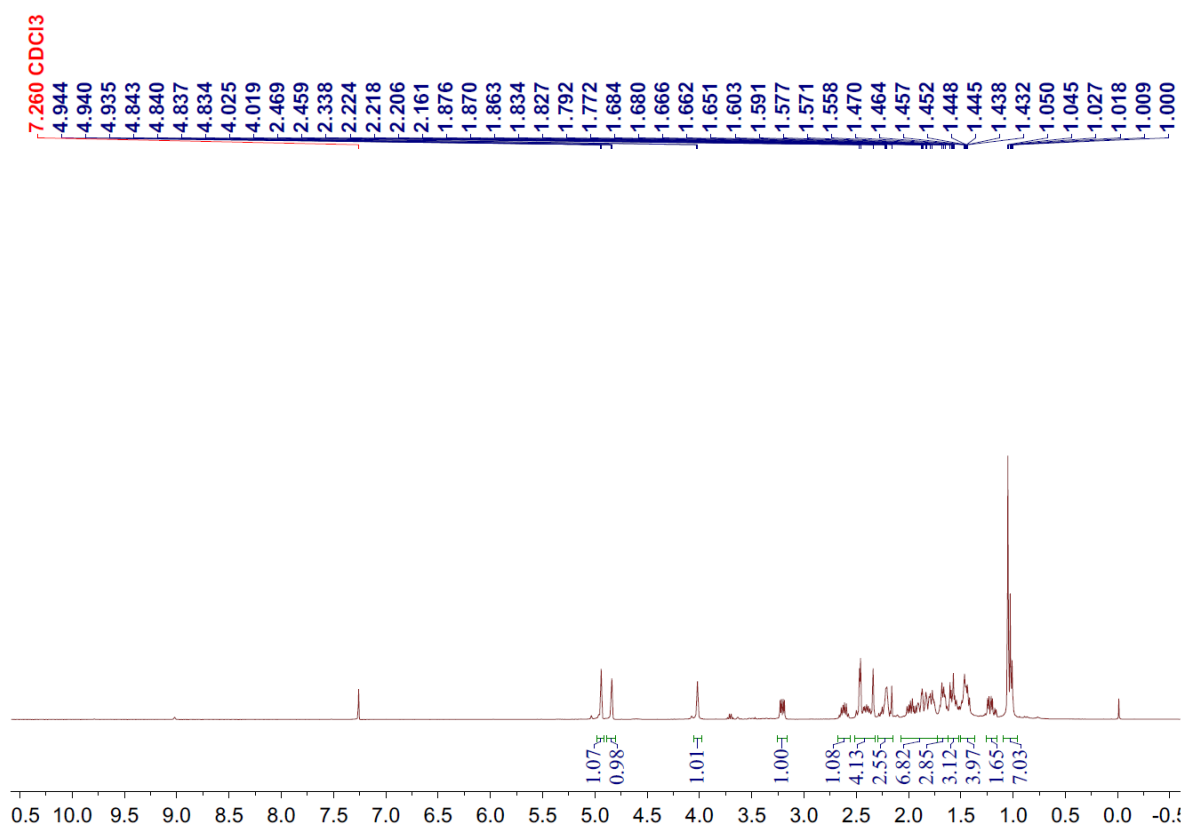


Figure S2: ^1H NMR (400 MHz, CDCl_3) spectrum of **1**

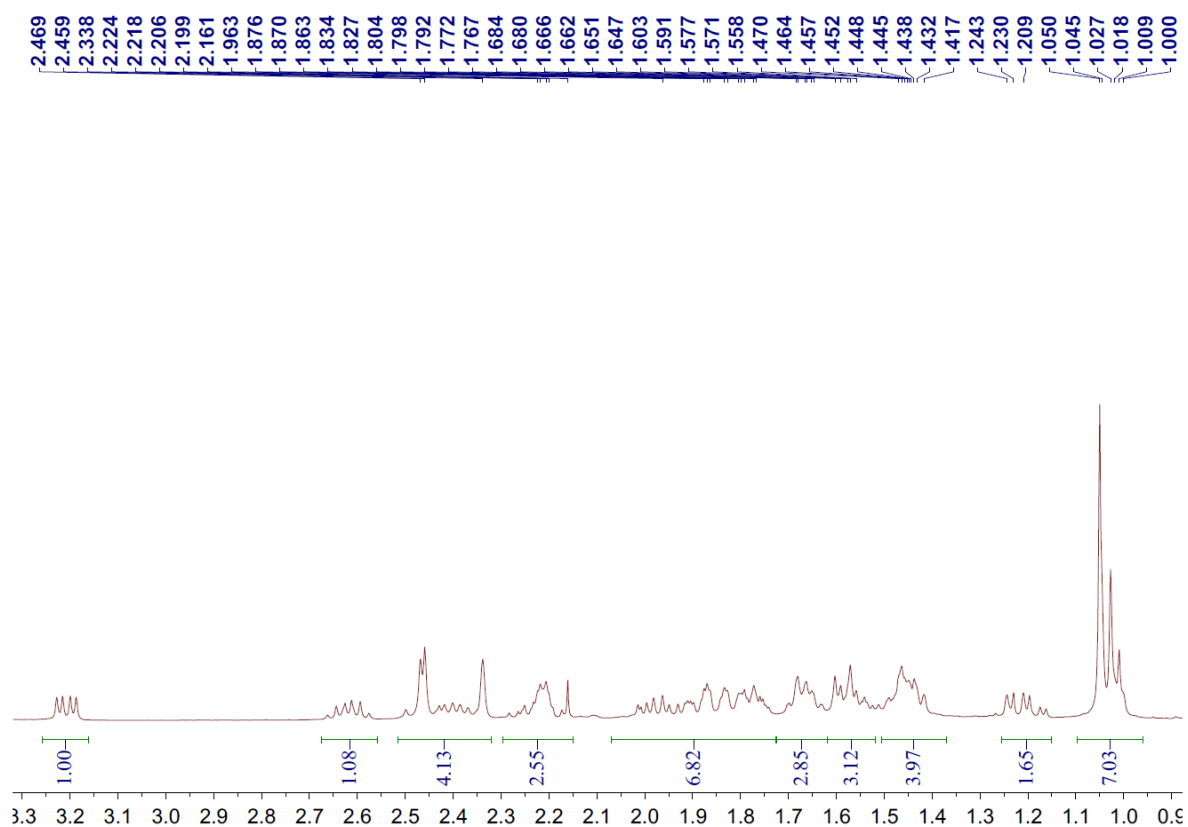


Figure S3: ^1H NMR (400 MHz, CDCl_3) spectrum of **1** (from δ_{H} 0.9 ppm to δ_{H} 3.3 ppm)

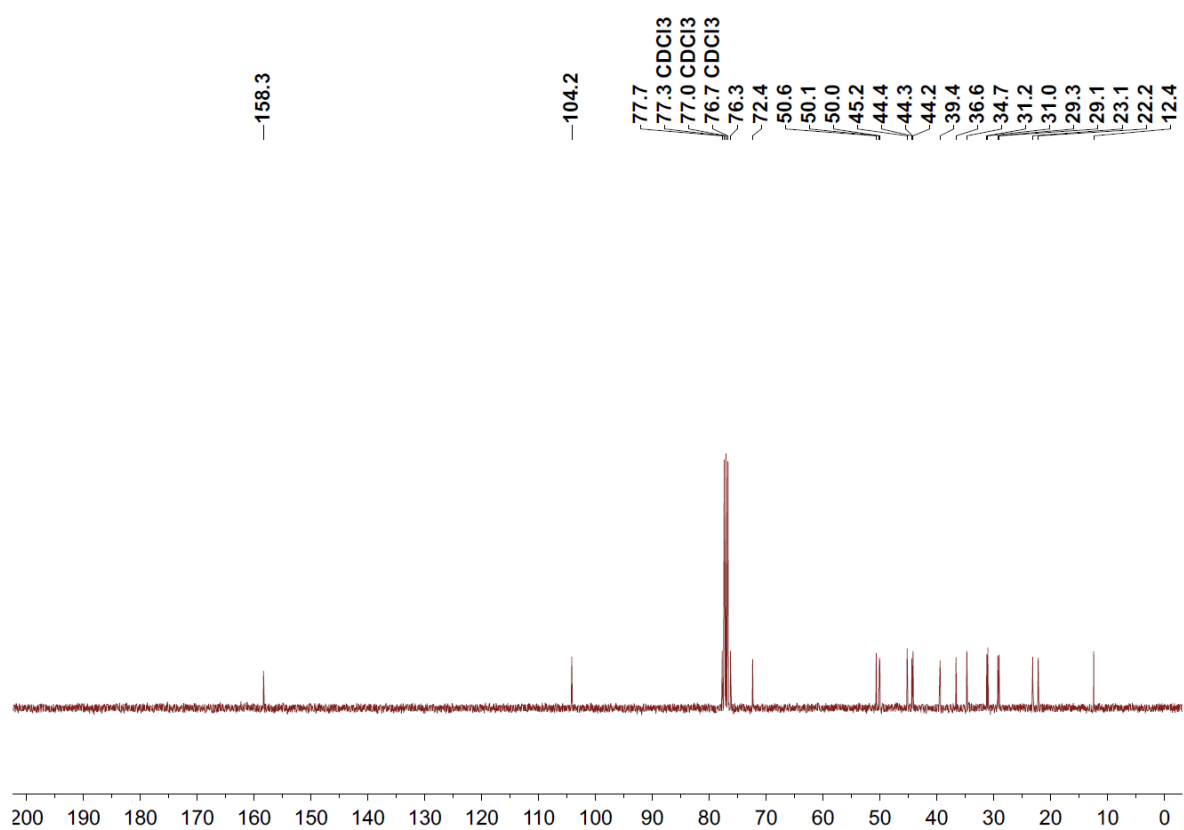


Figure S4: ¹³C NMR (100 MHz, CDCl₃) spectrum of **1**

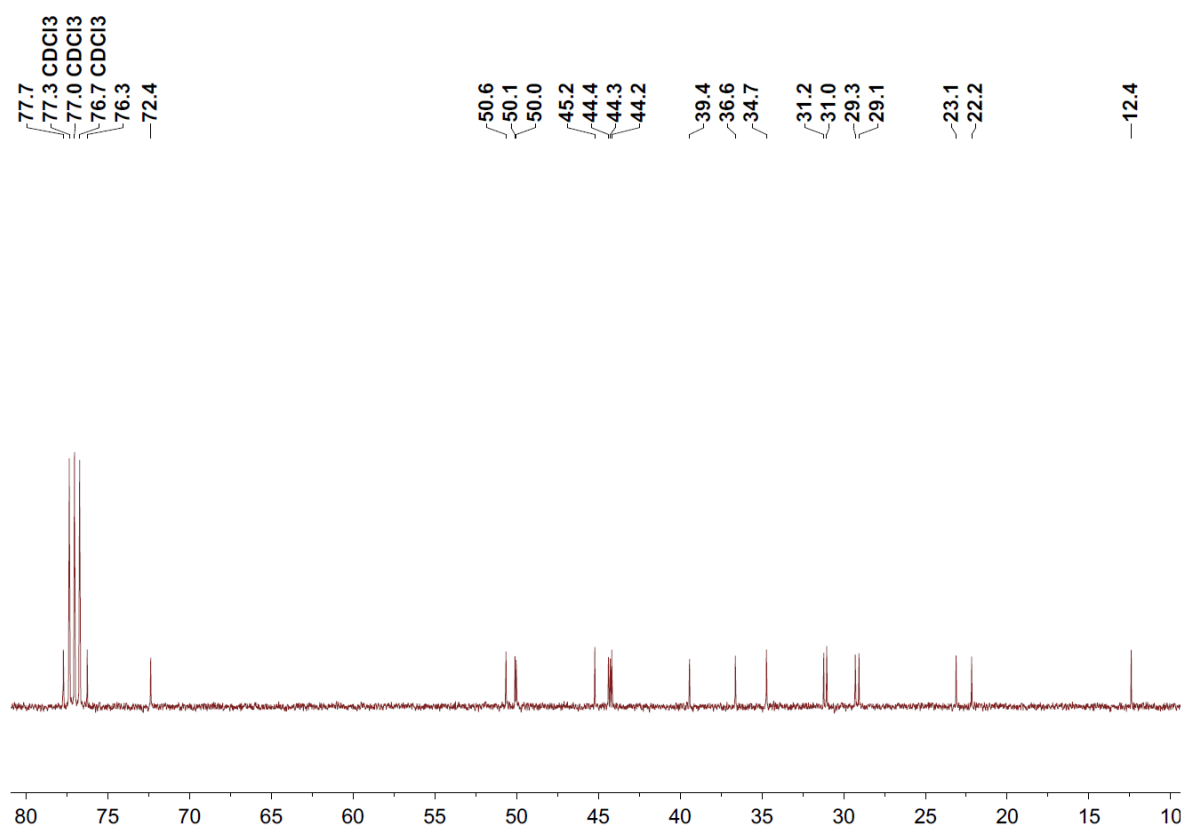


Figure S5: ¹³C NMR (100 MHz, CDCl₃) spectrum of **1** (from δ_C 10 ppm to δ_C 80 ppm)

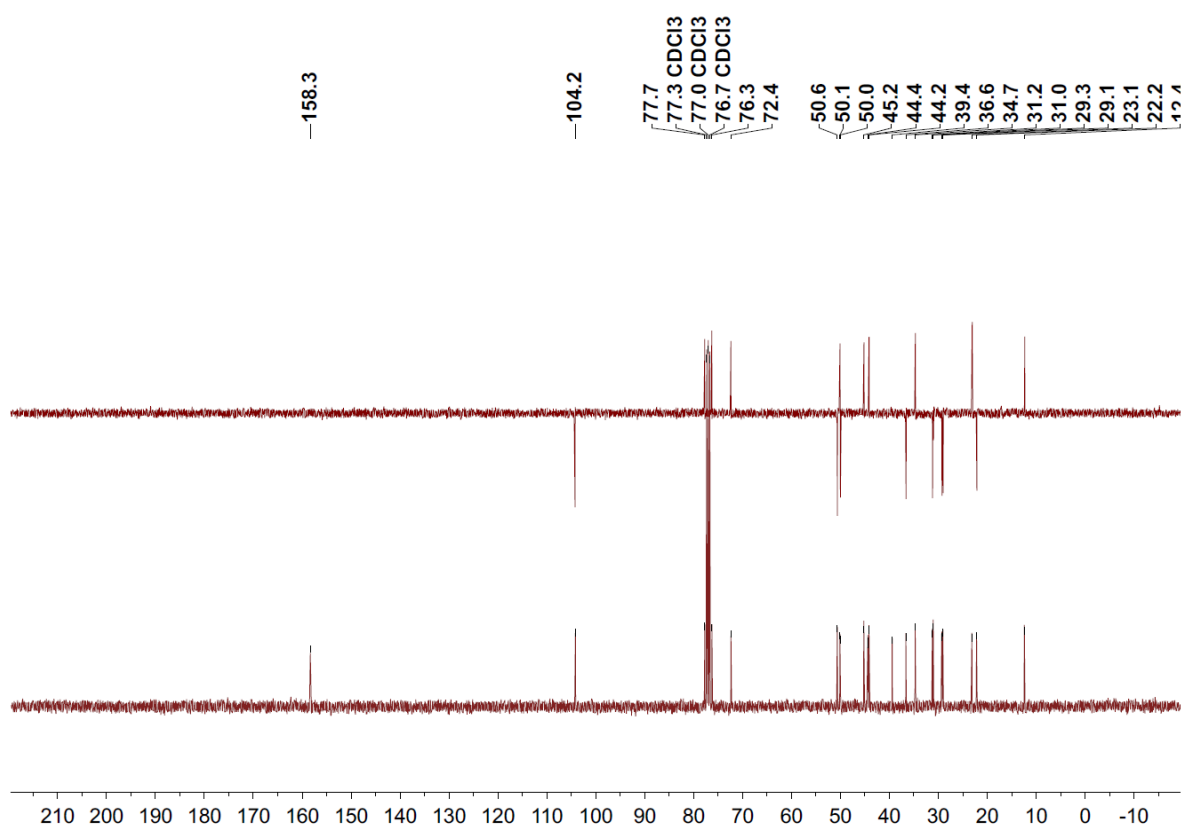


Figure S6: DEPT135 (100 MHz, CDCl₃) spectrum of **1**

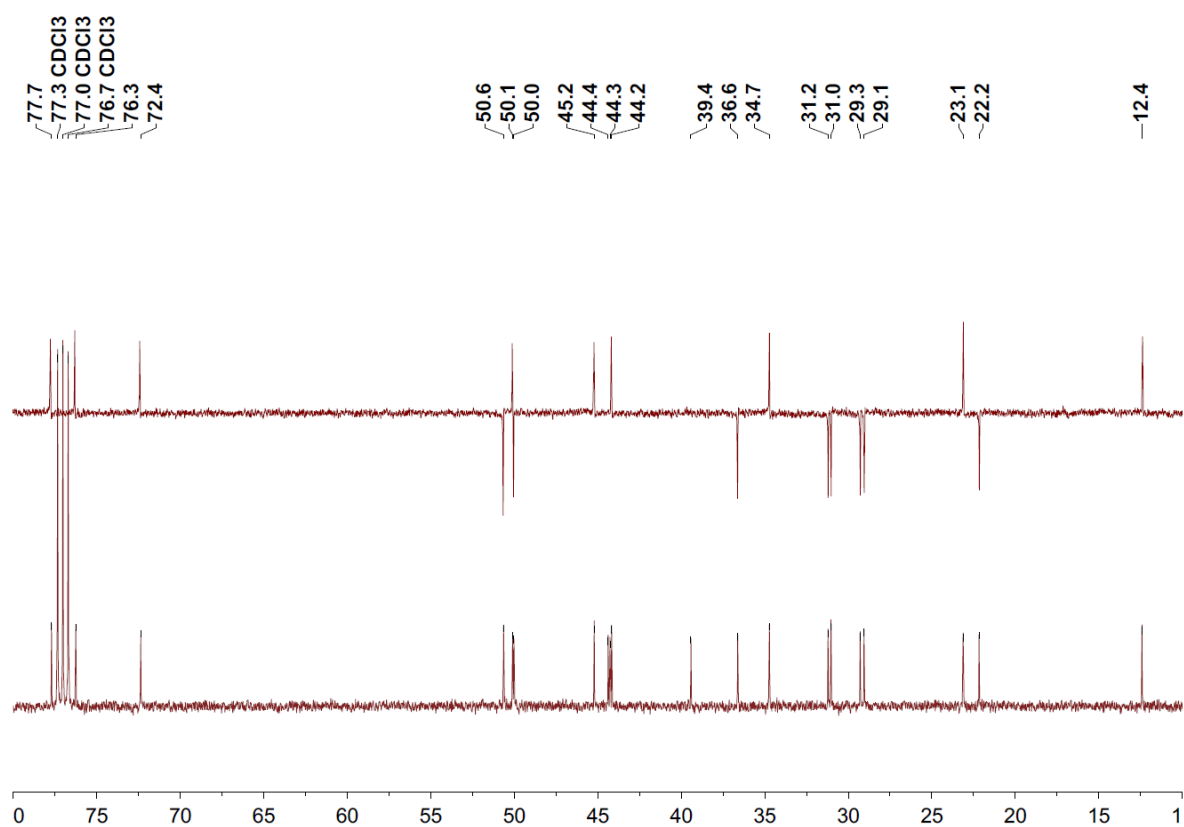


Figure S7: DEPT135 (100 MHz, CDCl_3) spectrum of **1** (from δ_C 10 ppm to δ_C 80 ppm)

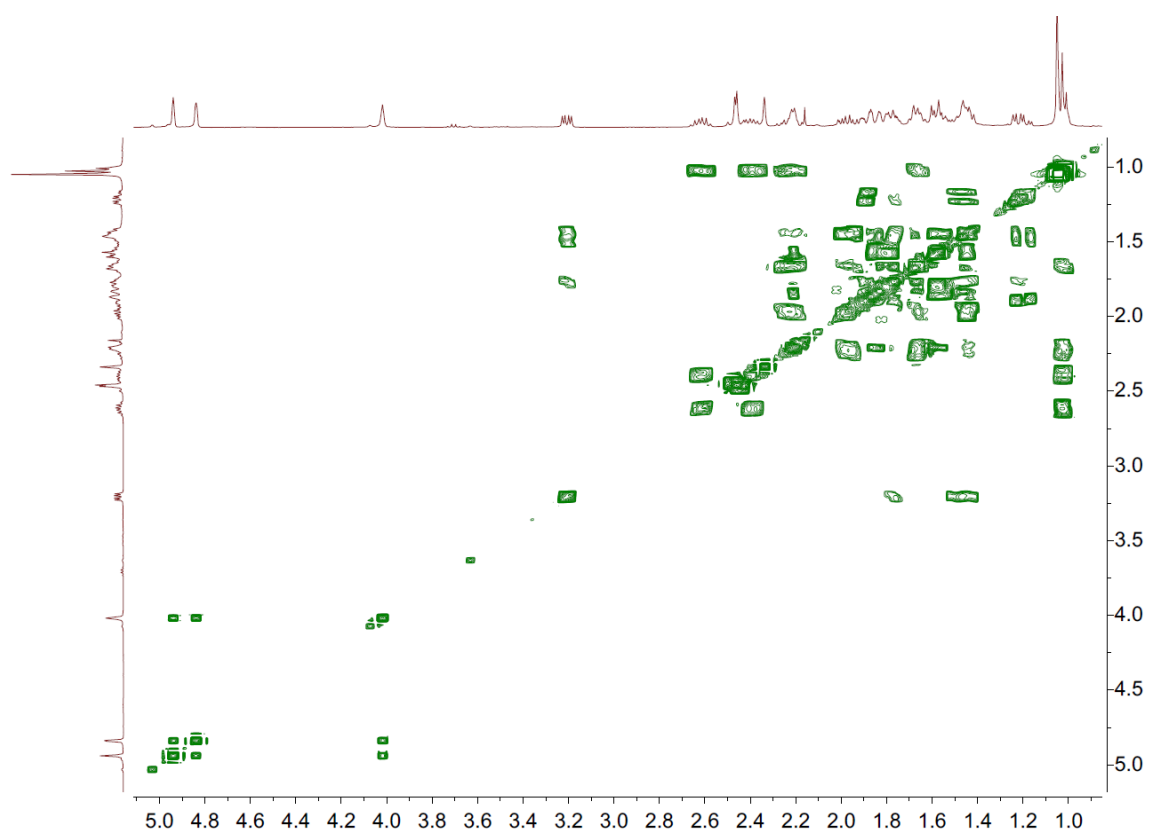


Figure S8: ^1H - ^1H COSY (CDCl_3) spectrum of **1**

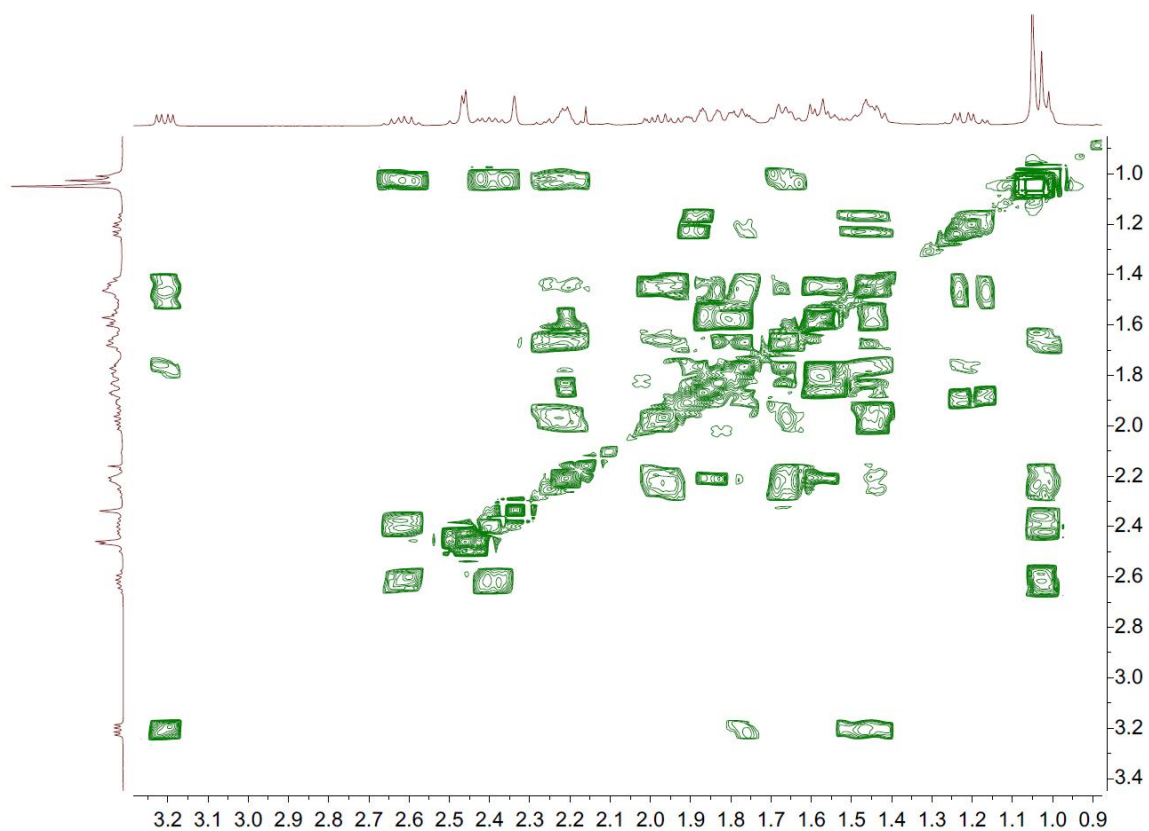


Figure S9: The enhanced ^1H - ^1H COSY (CDCl_3) spectrum of **1**

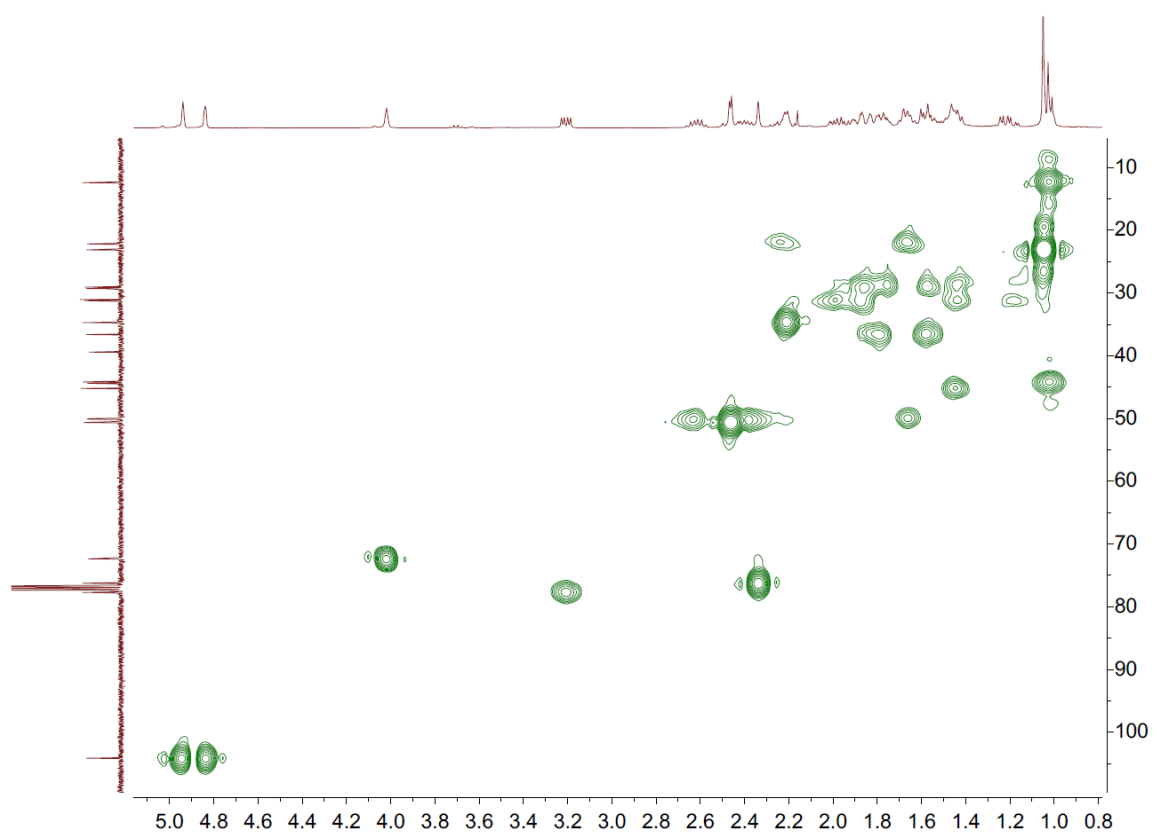


Figure S10: HSQC (CDCl₃) spectrum of **1**

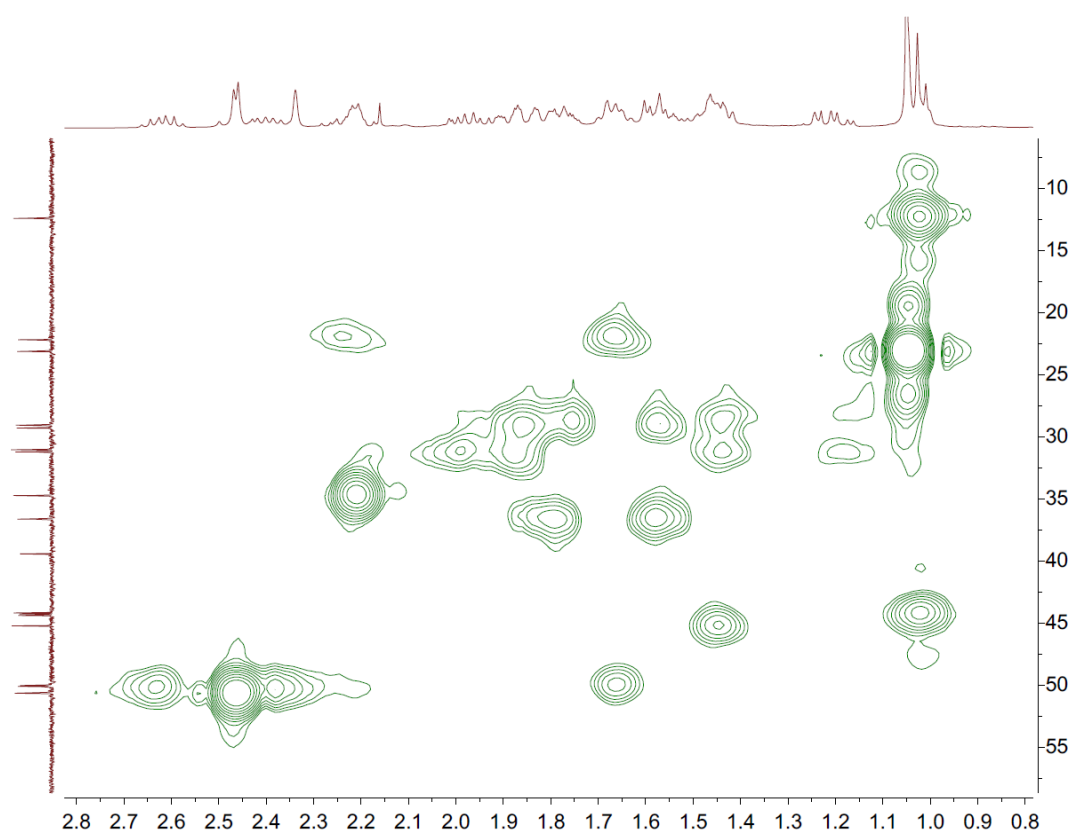


Figure S11: The enhanced HSQC (CDCl₃) spectrum of **1**

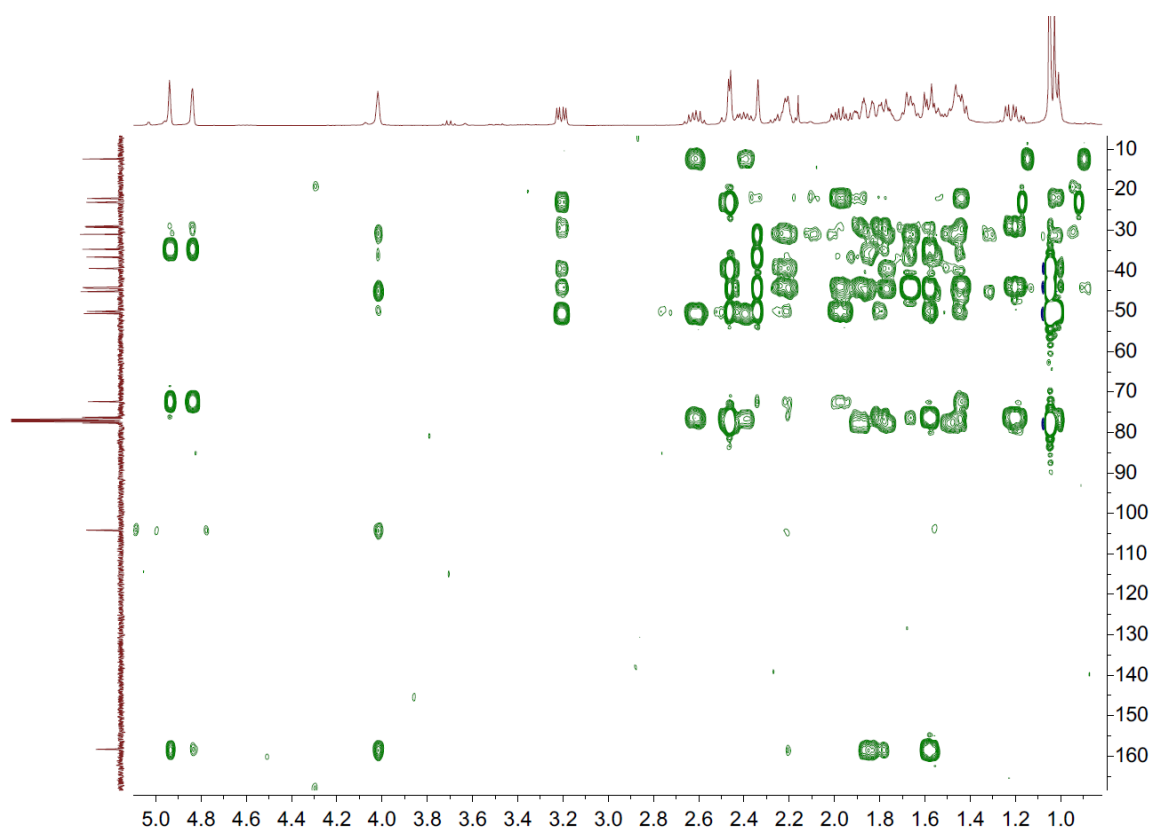


Figure S12: HMBC (CDCl₃) spectrum of **1**

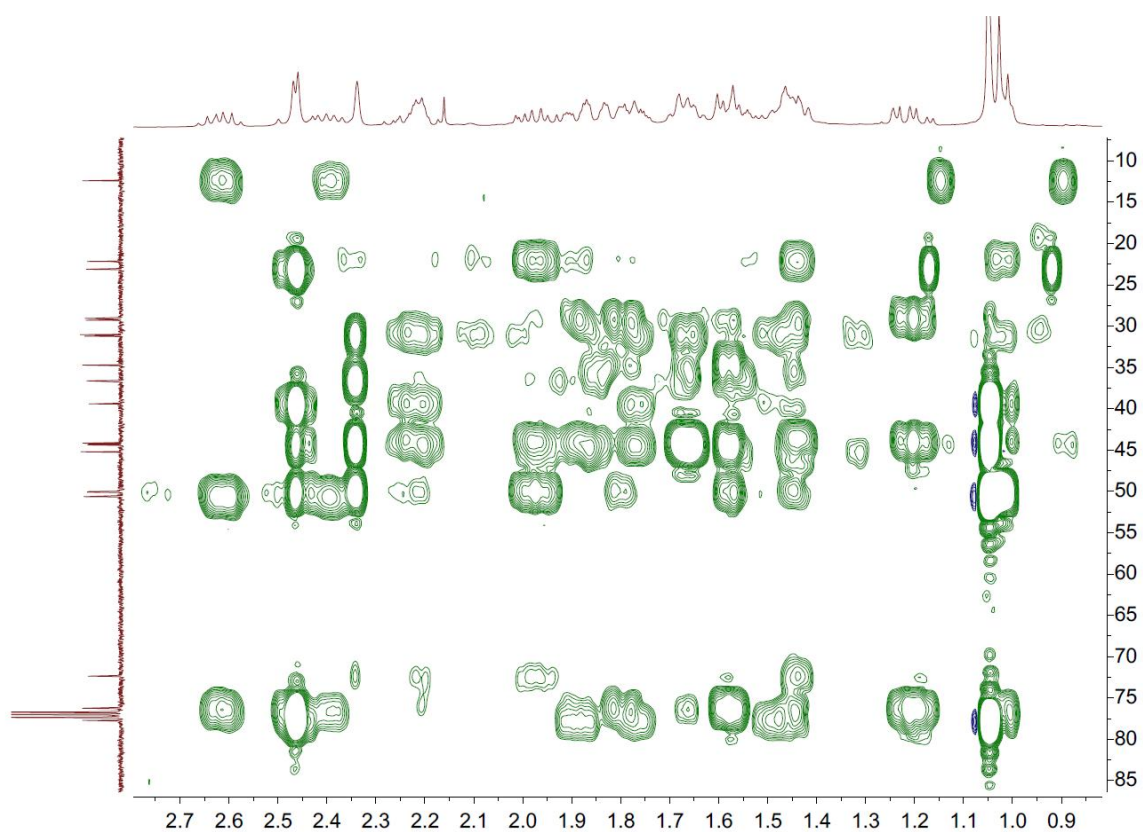


Figure S13: The enhanced HMBC (CDCl₃) spectrum of **1**

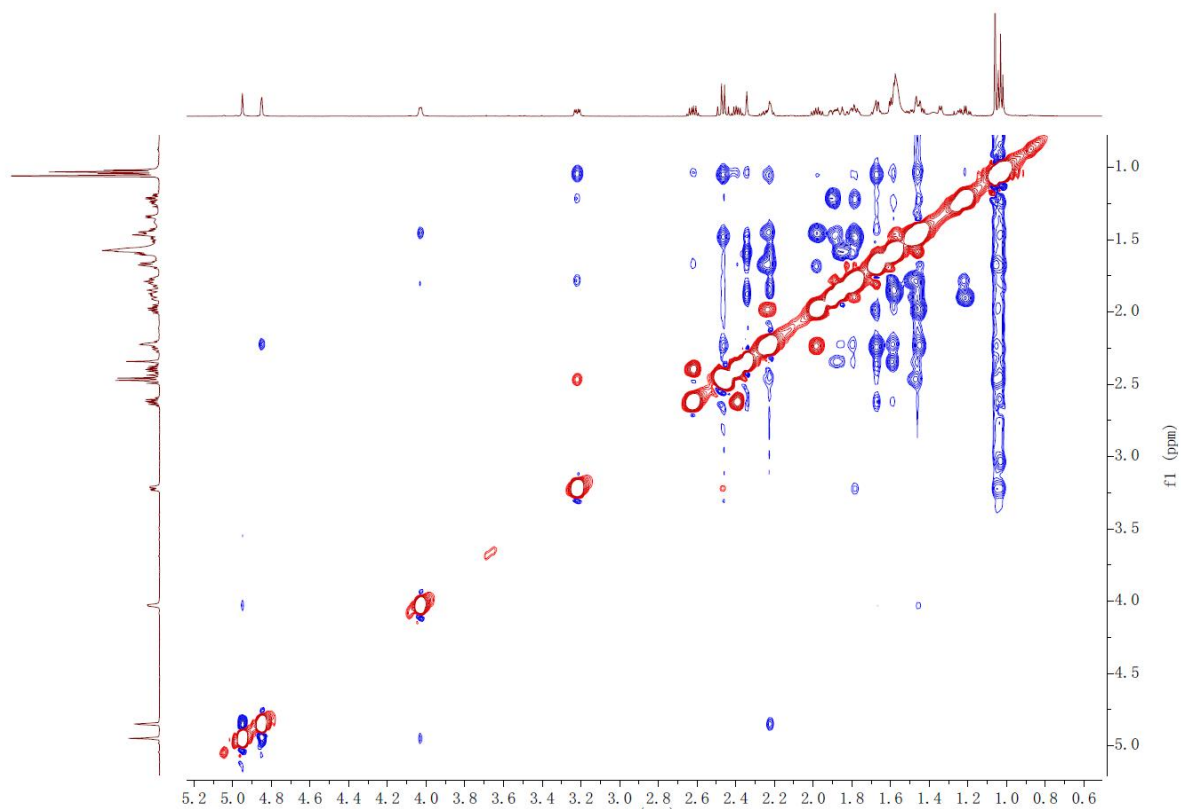


Figure S14: NOESY (CDCl₃) spectrum of **1**

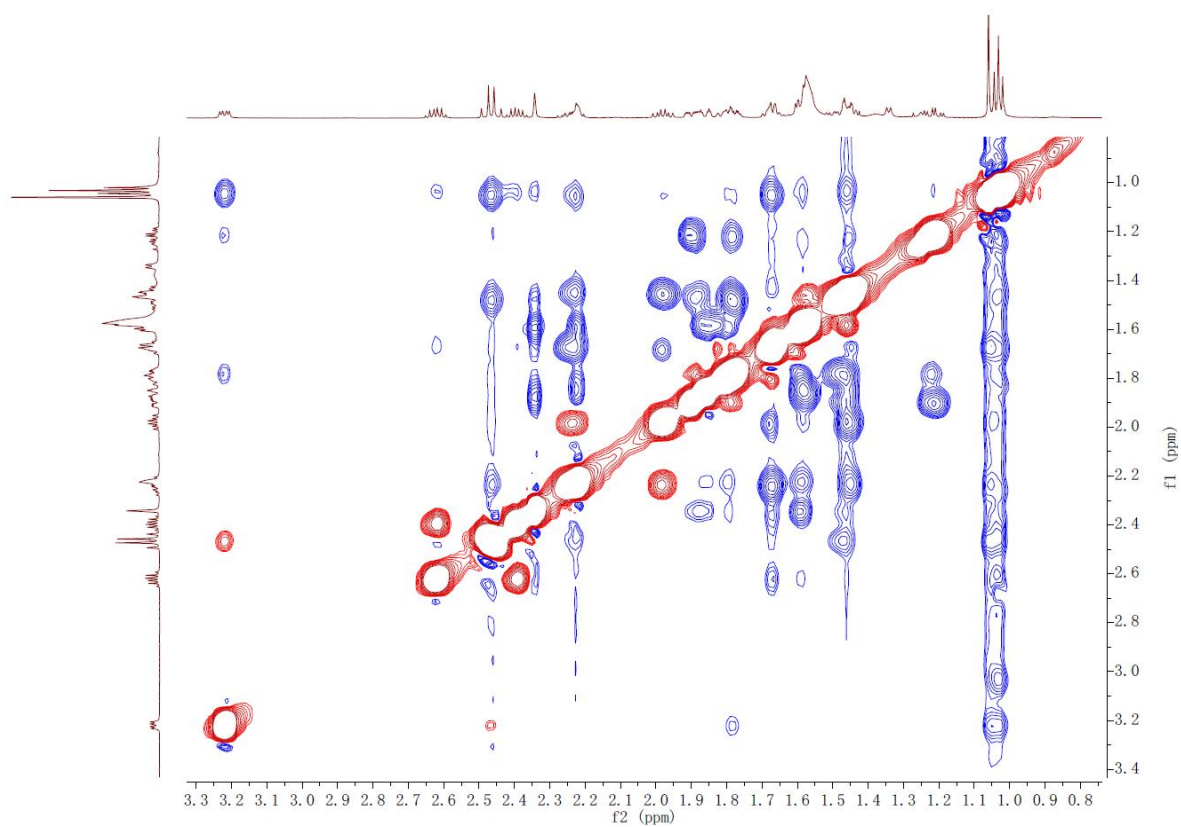
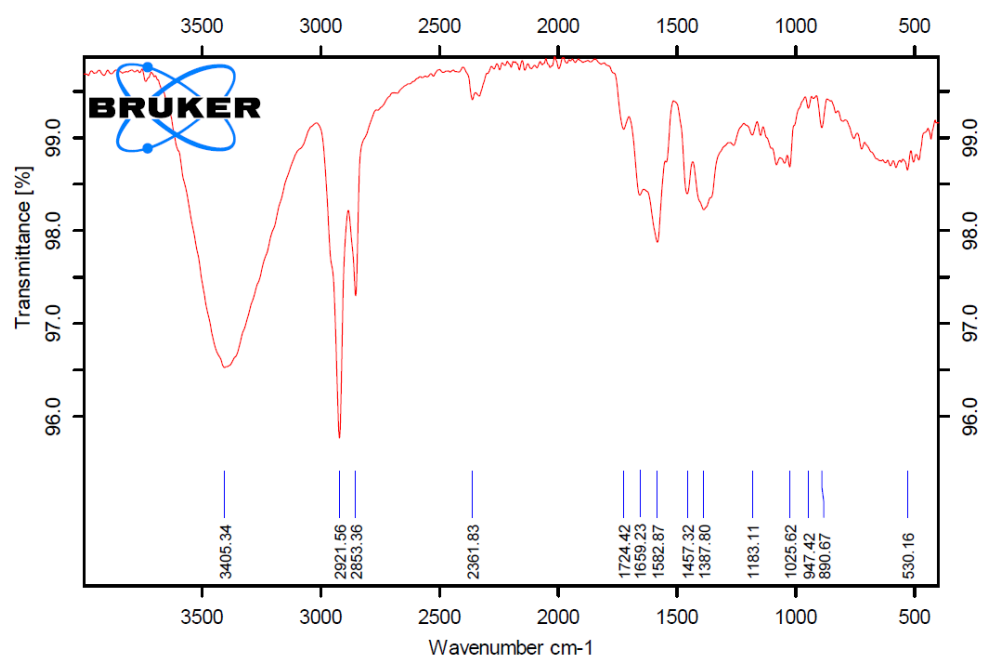


Figure S15: The enhanced NOESY (CDCl₃) spectrum of **1**



SAMPLE SCANS : 16
 DATE : 2025/6/13
 TIME : 9:55:04

SAMPLE : 0613-ZDB
 TECHNIQUE : Instrument type and / or accessory
 USER : Admin

Figure S16: IR spectrum of **1**

CAS SciFinder

Substances Enter a query...

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References Reactions Suppliers

Structure Match

As Drawn (0)

Substructure (0)

Similarity (27K)

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Search Within Results

Similarity

95-98 (1)

90-94 (15)

85-89 (122)

80-84 (358)

75-79 (856)

View All

Reaction Role

Filtering: Similarity: 3 Selected X Number of Components: 1 X

138 Results

1 96 ...

303175-76-0

Absolute stereochemistry shown, Rotation (-)

$C_{22}H_{33}NO_3$

8,11-Methano-10a,3,6a-[1]propanyl[3]ylidene-8H-indeno[2,1-b]azocine-10,13-diol, ...

2 0 0

2 116139-64-1 93 ...

$C_{27}H_{39}NO_3$

(3R,6aR,6bS,7S,8R,10R,10aR,11S,11aR,15R)-Dodecahydro-7,10-dihydroxy-1,3-dimethyl...

4 0 0

3 3018901-90-8 93 ...

$C_{22}H_{33}NO_2$

Absolute stereochemistry shown, Rotation (-)

1 0 0

4 26166-37-0 92 ...

Absolute stereochemistry shown

$C_{22}H_{33}NO_2$

Denudatine

82 3 47

5 1039388-14-1 92 ...

Absolute stereochemistry shown

$C_{22}H_{33}NO_2$

0 0 0

6 2852748-28-6 91 ...

$C_{22}H_{33}NO_2$

(1 α ,12 β)-21-Ethyl-4-methyl-16-methylene-7,20-cyclooctachene-1,12-diol

1 67 0

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Figure S17: The Scifinder similarity report for **1**