

## Supporting Information

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

### Fusacintone A, a New Polyketide from the Endophytic Fungus

*Fusarium tricinctum* from *Fritillaria monantha*

Qing Liu<sup>1,§</sup>, Wei-Jie Tian<sup>1,§</sup>, Lei-Lei He<sup>1</sup>, Zheng-Hui Li<sup>1</sup> and Bao-Bao Shi<sup>1, 2,\*</sup>

<sup>1</sup>*School of Pharmaceutical Sciences, South-Central MinZu University, Wuhan 430074, People's Republic of China*

<sup>2</sup>*International Cooperation Base for Active Substances in Traditional Chinese Medicine in Hubei Province, School of Pharmaceutical Sciences, South-Central Minzu University*

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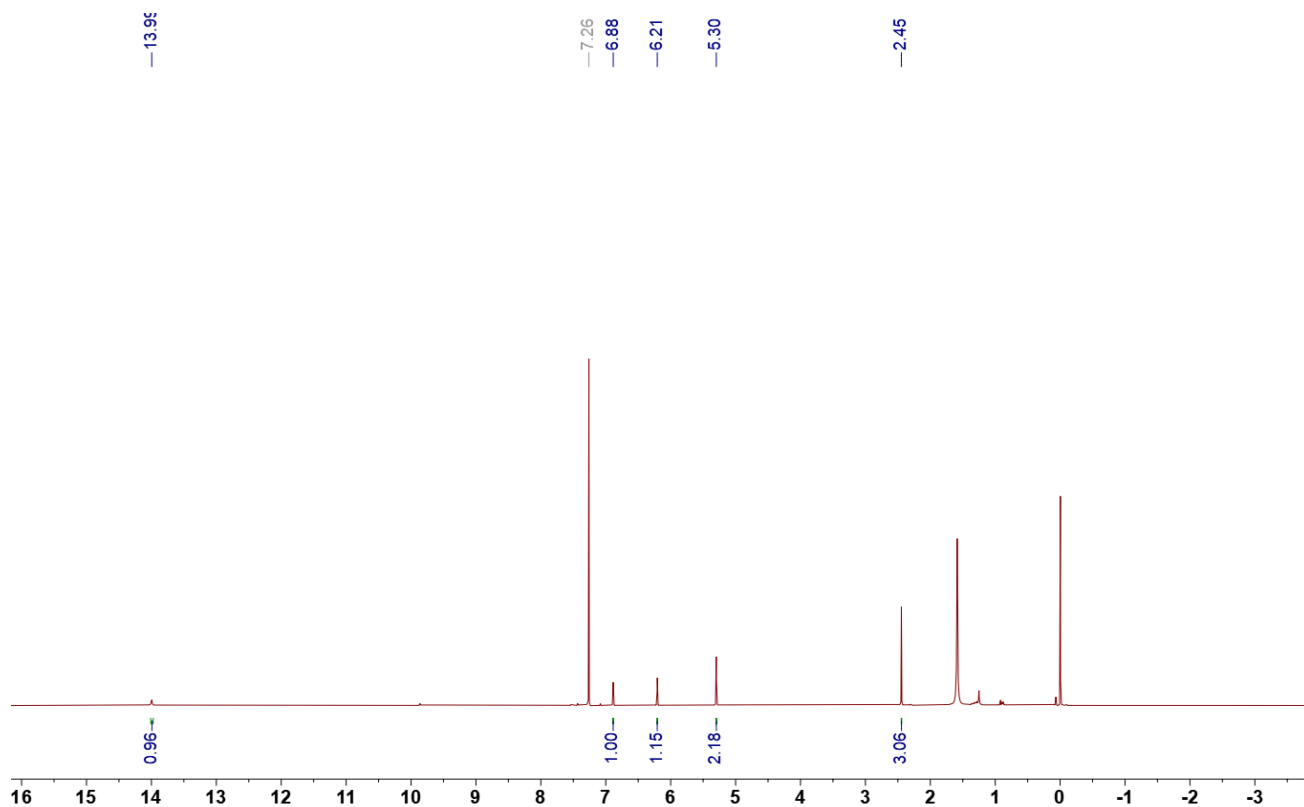


Figure S1: <sup>1</sup>H NMR spectrum of **1** in CDCl<sub>3</sub>.

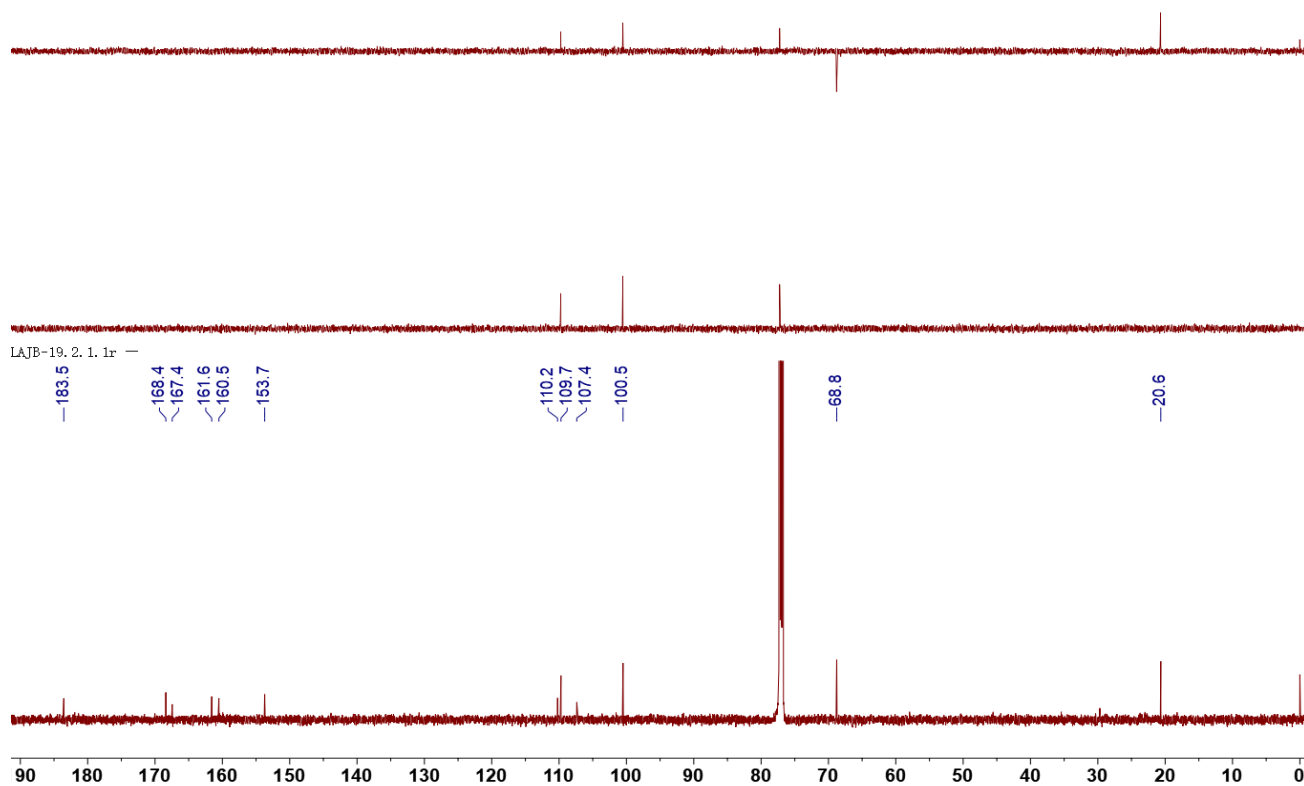
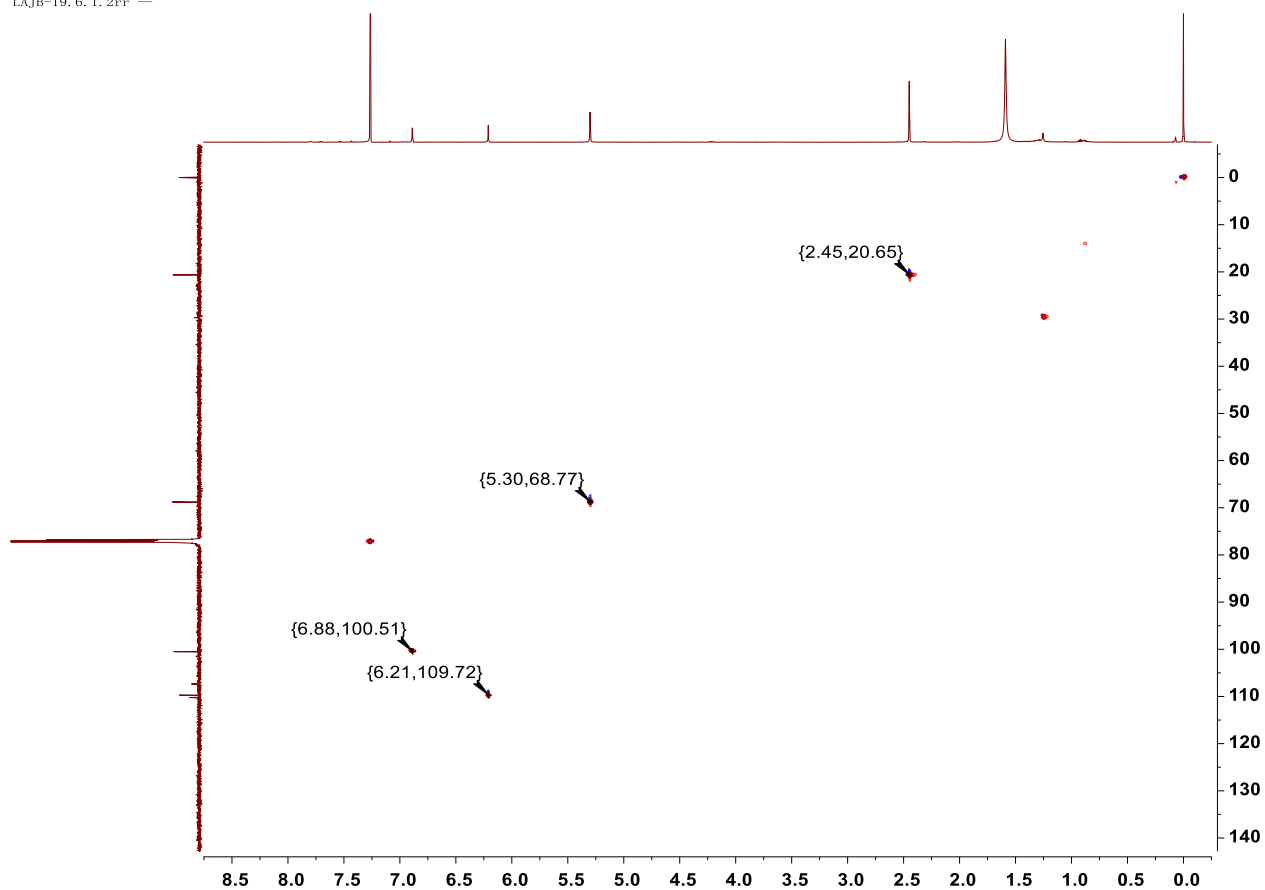


Figure S2: <sup>13</sup>C NMR spectrum of **1** in CDCl<sub>3</sub>.



**Figure S3:** HSQC spectrum of **1** in CDCl<sub>3</sub>.

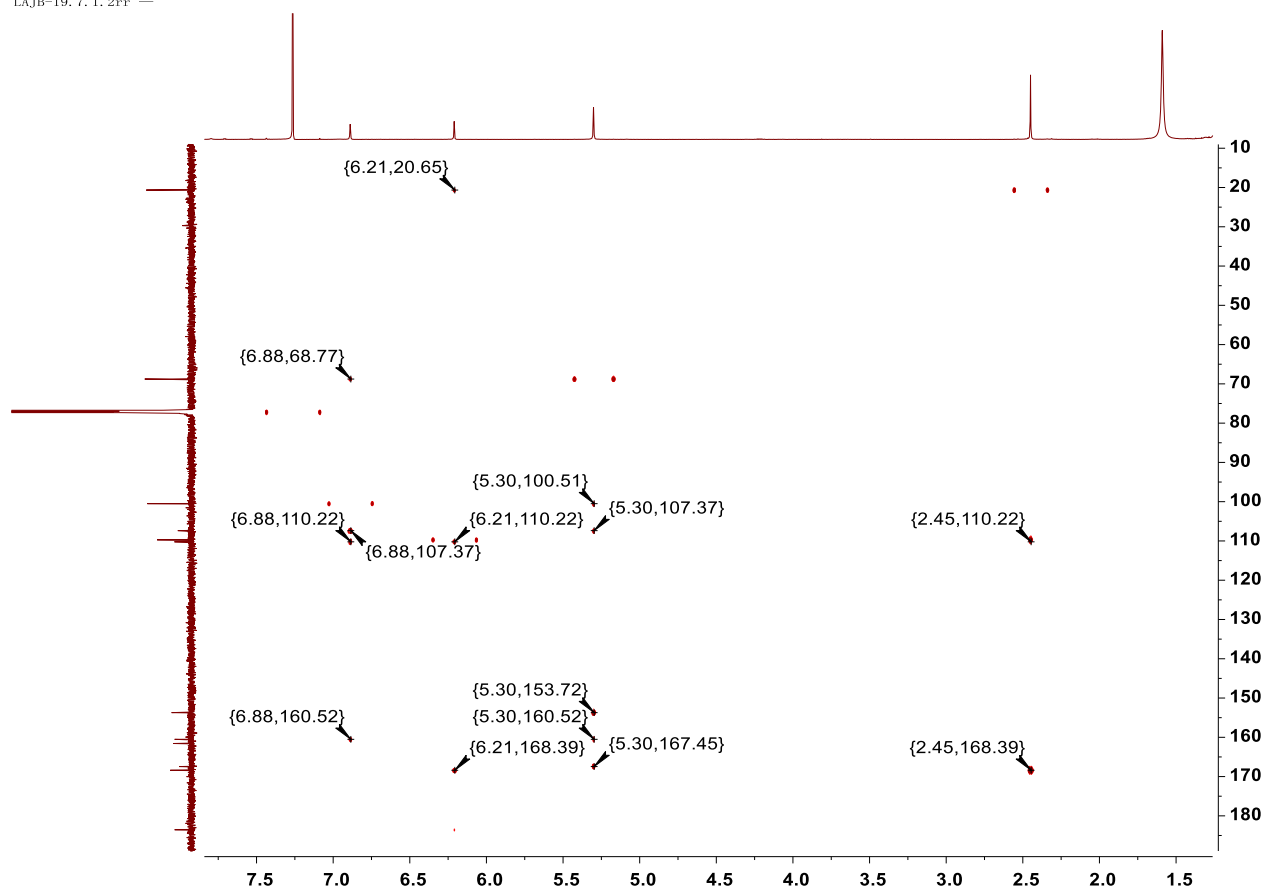
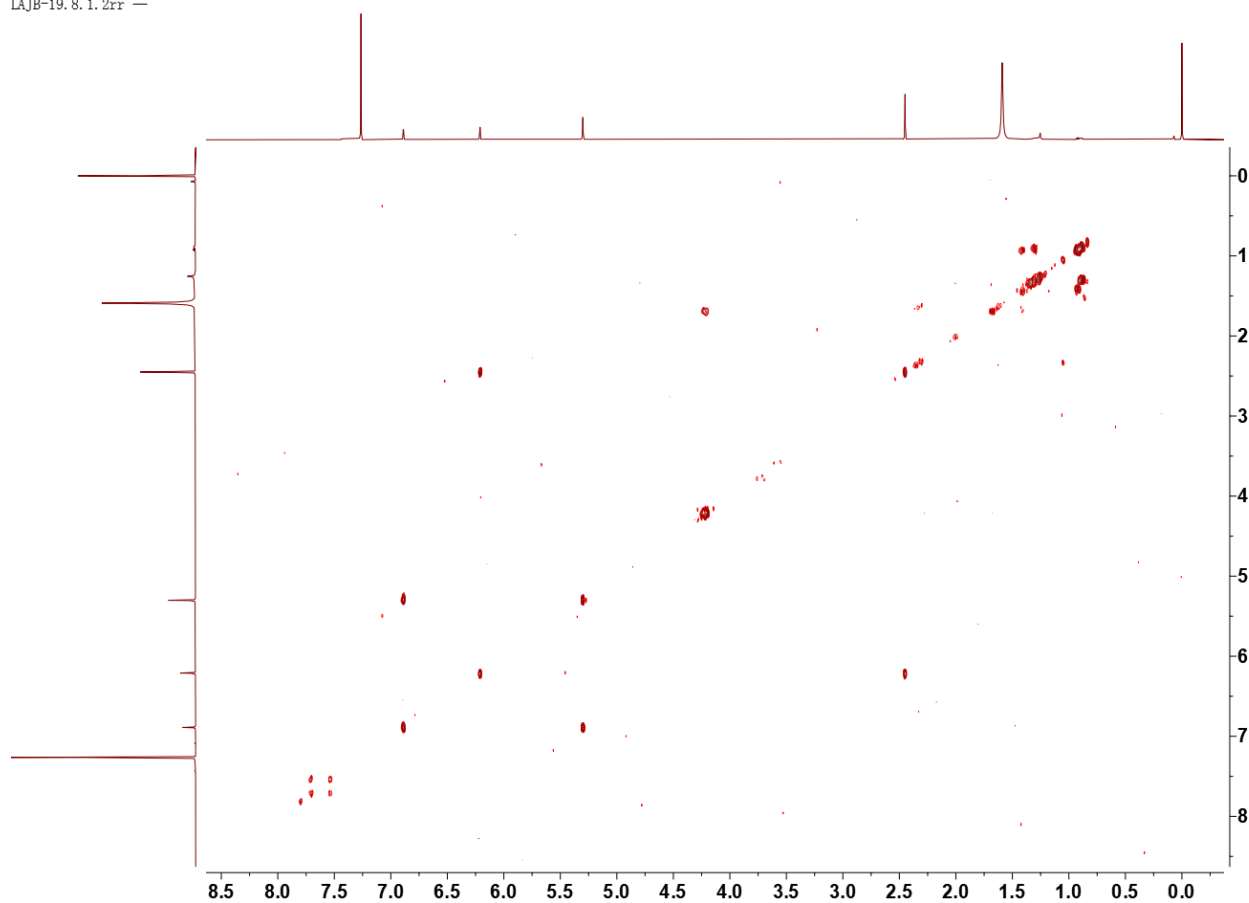
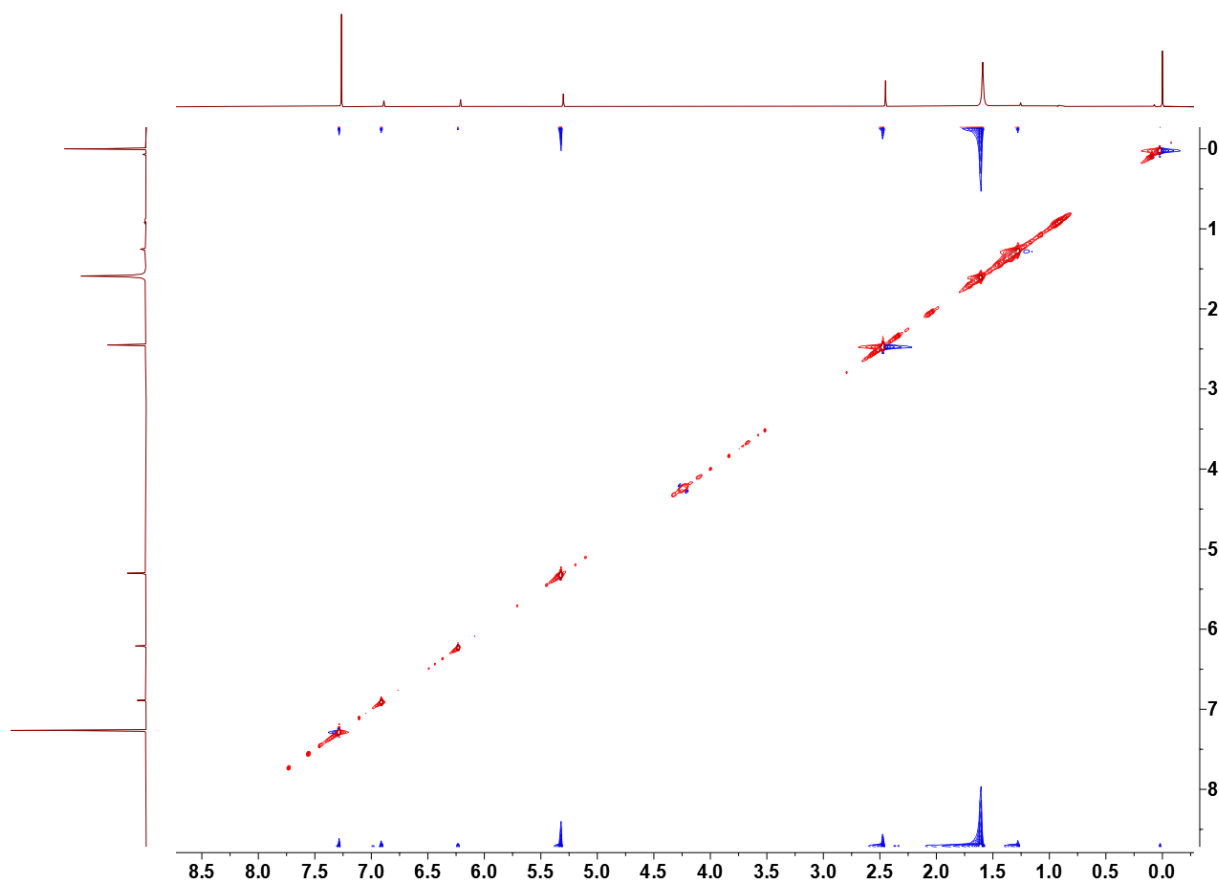


Figure S4: HMBC spectrum of **1** in CDCl<sub>3</sub>.



**Figure S5:** COSY spectrum of **1** in  $\text{CDCl}_3$ .



**Figure S6:** ROESY spectrum of **1** in  $\text{CDCl}_3$ .

LAJB-19 #13 RT: 0.17 AV: 1 NL: 3.73E8  
T: FTMS + p ESI Full lock ms [150.0000-1100.0000]

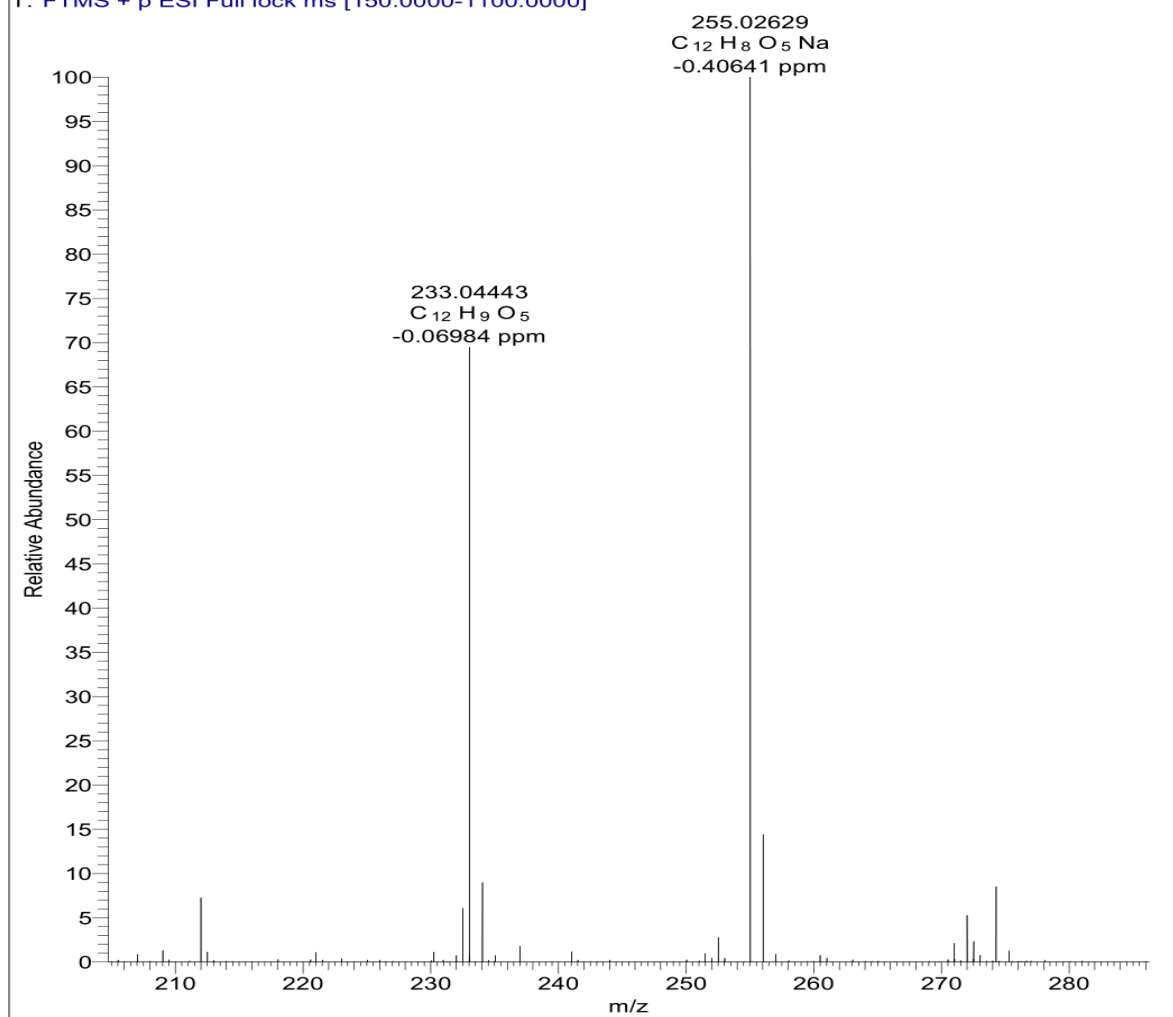
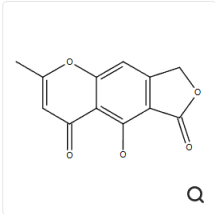


Figure S7: HRMS spectrum of 1.

Substances

3:18 PM



As Drawn (0)

Substructure (3)

Similarity (40K)

Rerun Search

Edit Search

Substances search for drawn structure

References

Reactions

Suppliers

Structure Match

As Drawn (0)

Substructure (3)

Similarity (40K)

Chemscape Analysis

Visually explore structure similarity with a powerful new tool.

Learn more about Chemscape.

Create Chemscape Analysis

Filter Behavior

Filter by

Exclude

Search Within Results

Similarity

90-94 (1)

85-89 (3)

80-84 (29)

75-79 (182)

70-74 (1,064)

View All

Filtering:

Similarity: 2 Selected

Number of Components: 1

Clear All Filters

4 Results

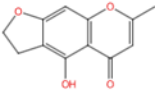
Sort: Number of Suppliers

View: Partial

1

87

106653-16-1



C<sub>12</sub>H<sub>10</sub>O<sub>4</sub>

2,3-Dihydro-4-hydroxy-7-methyl-5H-furo[3,2-g][1]benzopyran-5-one

5

2

3

References

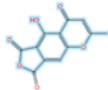
Reactions

Suppliers

2

93

16849-60-8



C<sub>12</sub>H<sub>6</sub>O<sub>6</sub>

5-Hydroxy-2-methyl-4H-furo[3,4-g]-1-benzopyran-4,6,8-trione

1

1

0

Reference

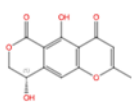
Reaction

Suppliers

3

86

2375108-31-7



Absolute stereochemistry shown, Rotation (-)

C<sub>13</sub>H<sub>10</sub>O<sub>6</sub>

(9S)-8,9-Dihydro-5,9-dihydroxy-2-methyl-4H,6H-benzo[1,2-b:4,5-c']dipyrans-4,6-dione...

1

0

0

Reference

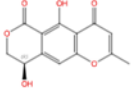
Reactions

Suppliers

4

86

2375108-30-6



Absolute stereochemistry shown, Rotation (+)

C<sub>13</sub>H<sub>10</sub>O<sub>6</sub>

(9R)-8,9-Dihydro-5,9-dihydroxy-2-methyl-4H,6H-benzo[1,2-b:4,5-c']dipyrans-4,6-dione...

1

0

0

Reference

Reactions

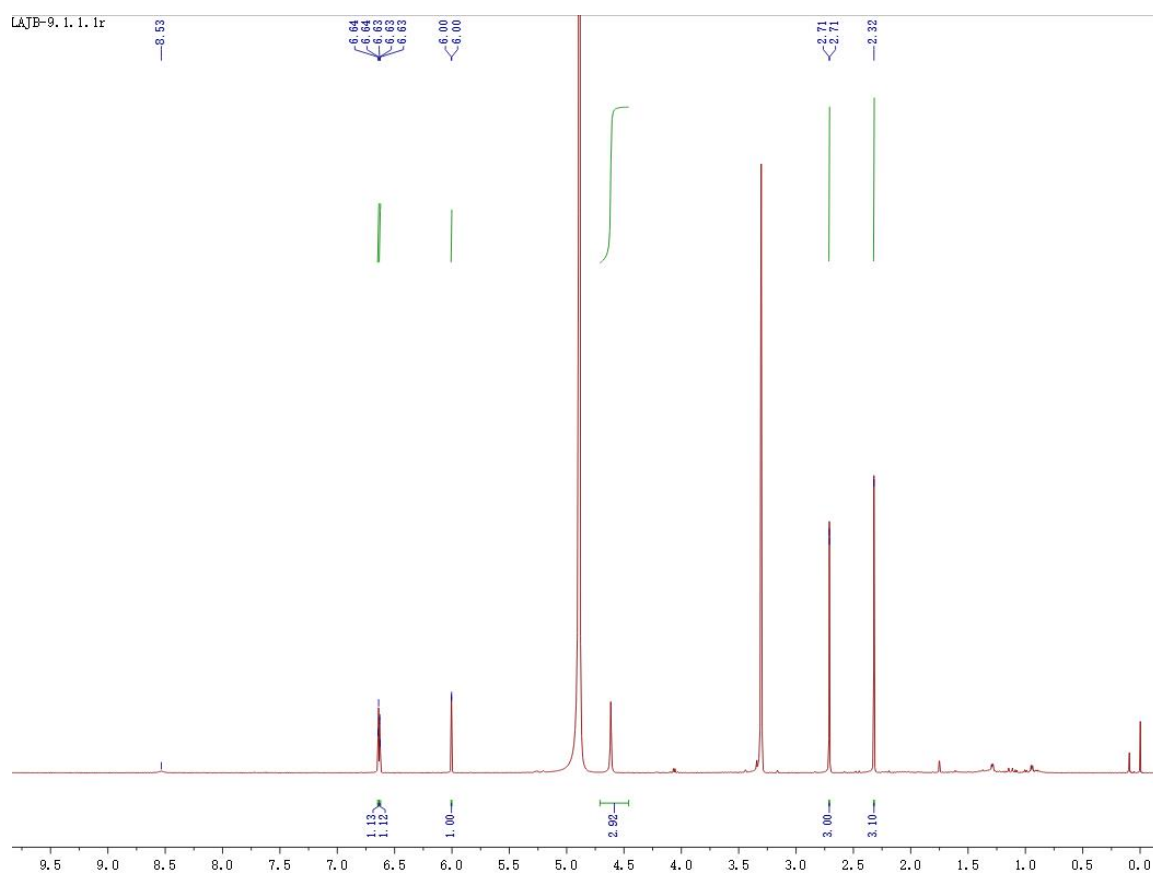
Suppliers

**Figure S8:** The Scifinder similarity report for **1**.

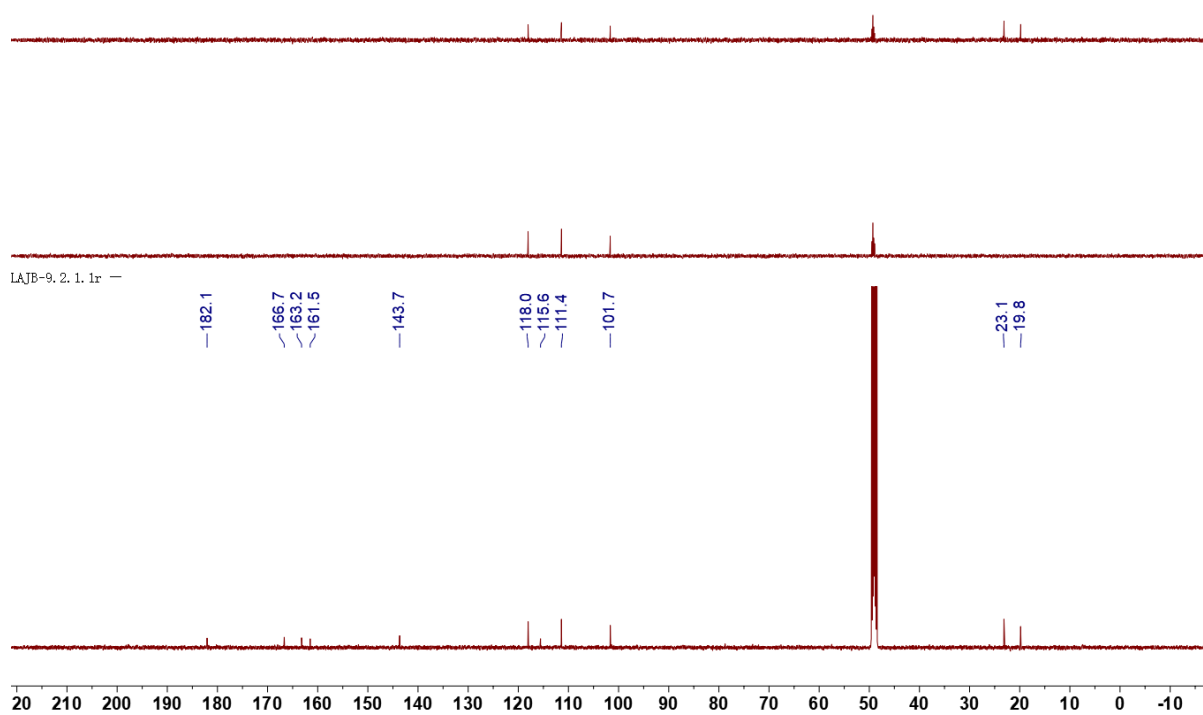
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8

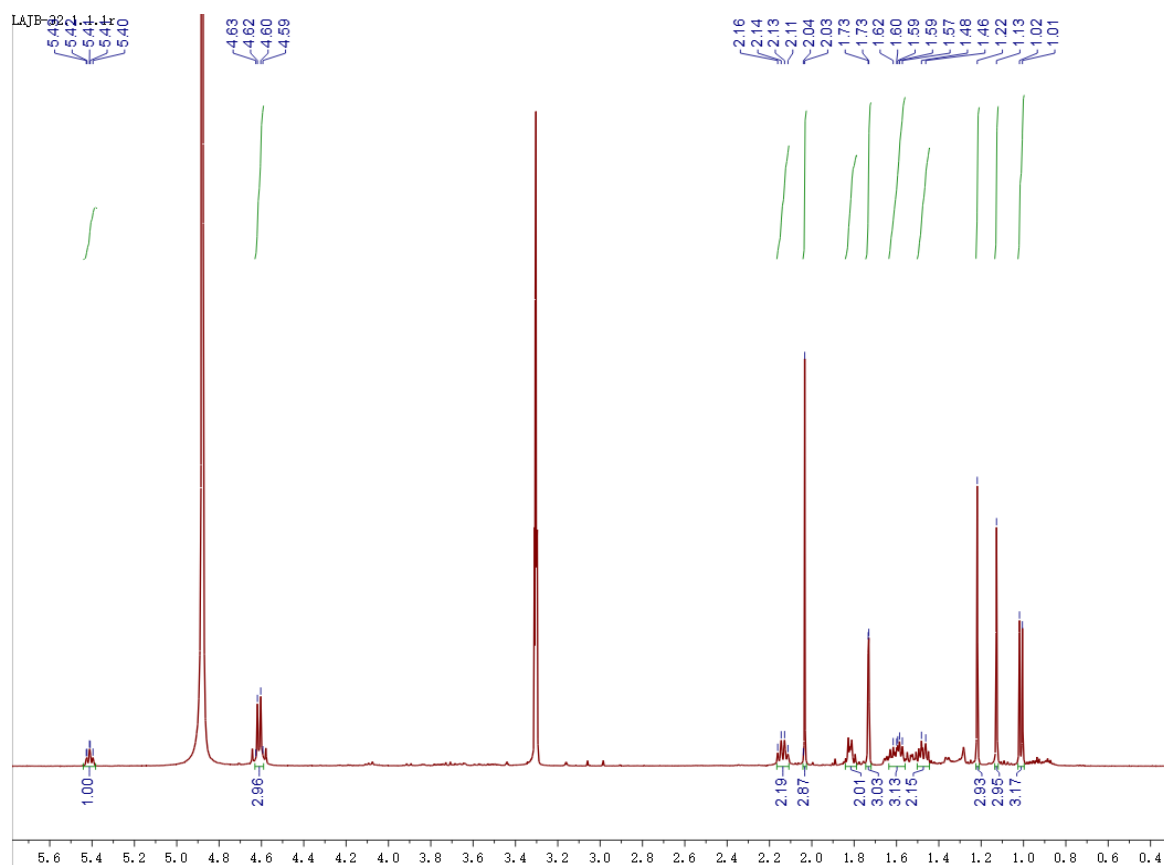




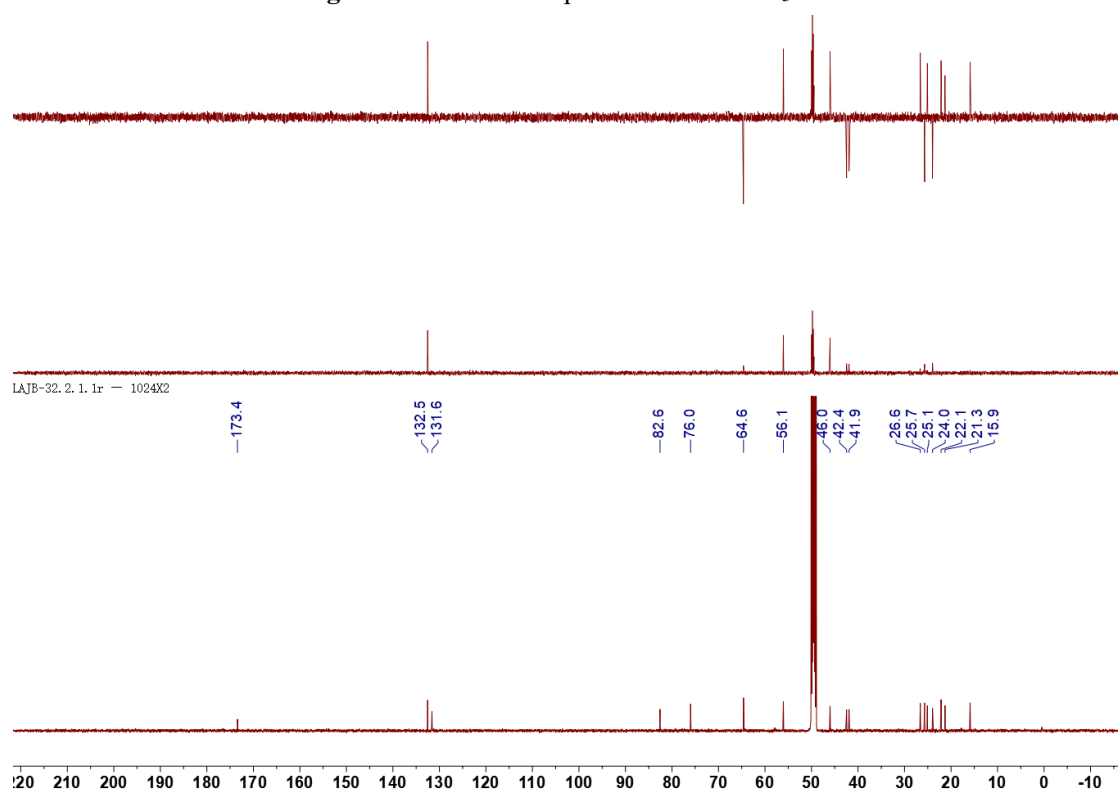
**Figure S9:** <sup>1</sup>H NMR spectrum of **2** in CD<sub>3</sub>OD.



**Figure S10:** <sup>13</sup>C NMR spectrum of **2** in CD<sub>3</sub>OD.



**Figure S11:  $^1\text{H}$  NMR spectrum of **3** in  $\text{CD}_3\text{OD}$ .**



**Figure S12:  $^{13}\text{C}$  NMR spectrum of **3** in  $\text{CD}_3\text{OD}$ .**

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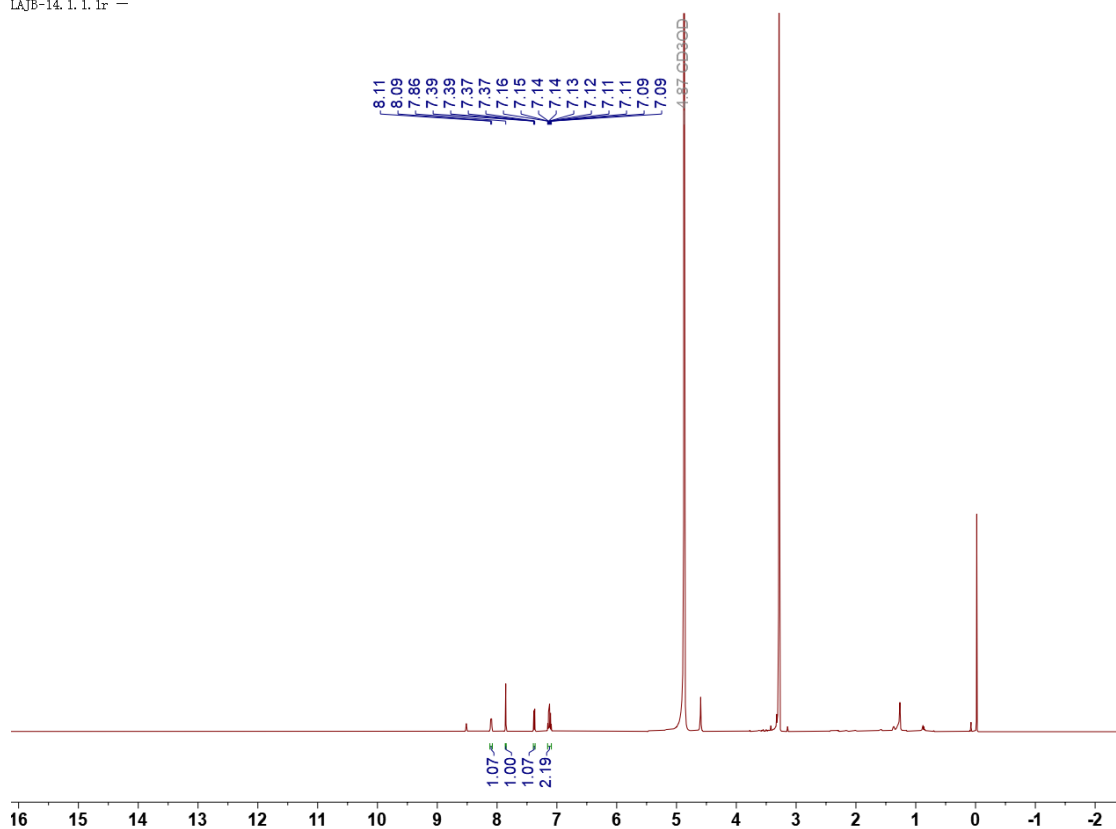


Figure S13:  $^1\text{H}$  NMR spectrum of **4** in  $\text{CD}_3\text{OD}$ .

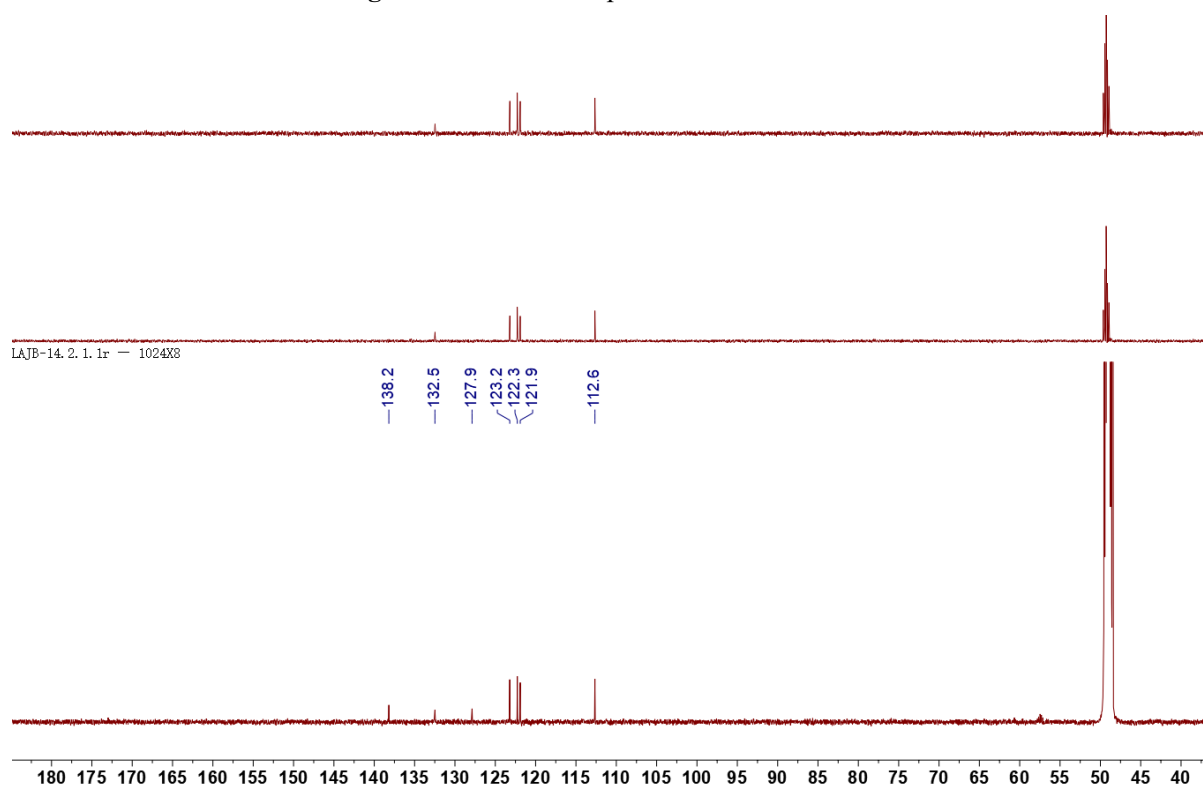
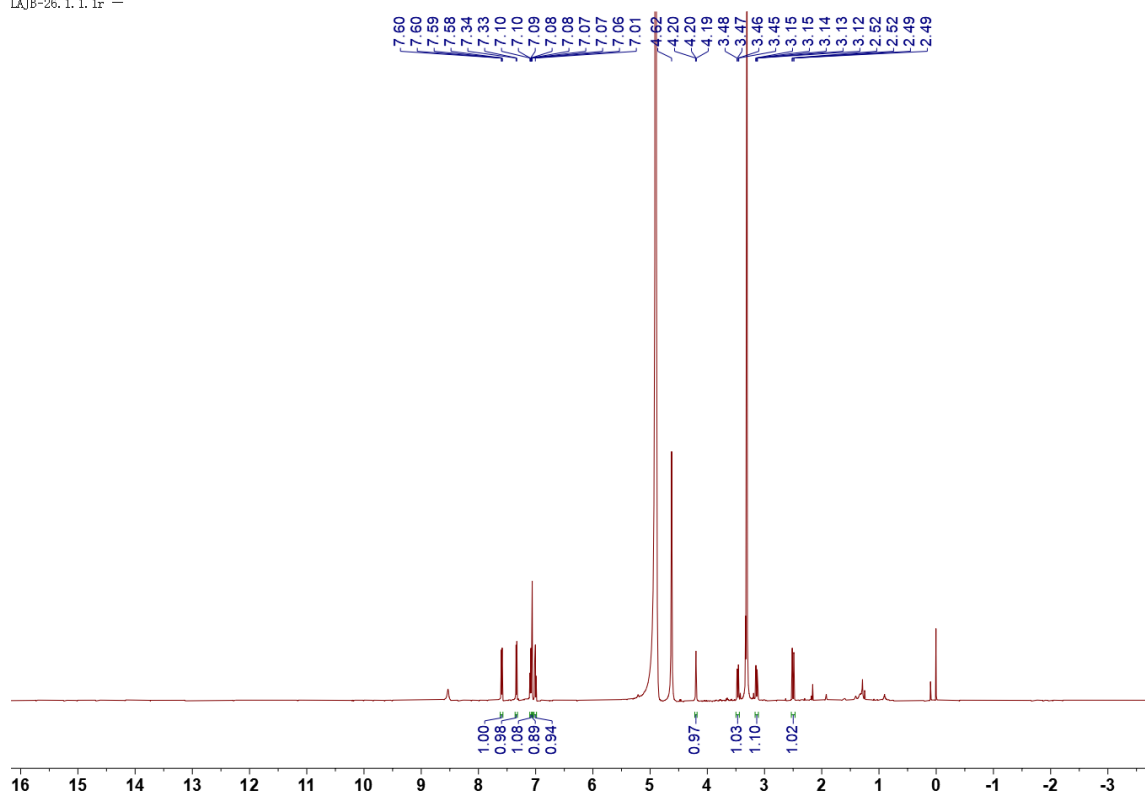
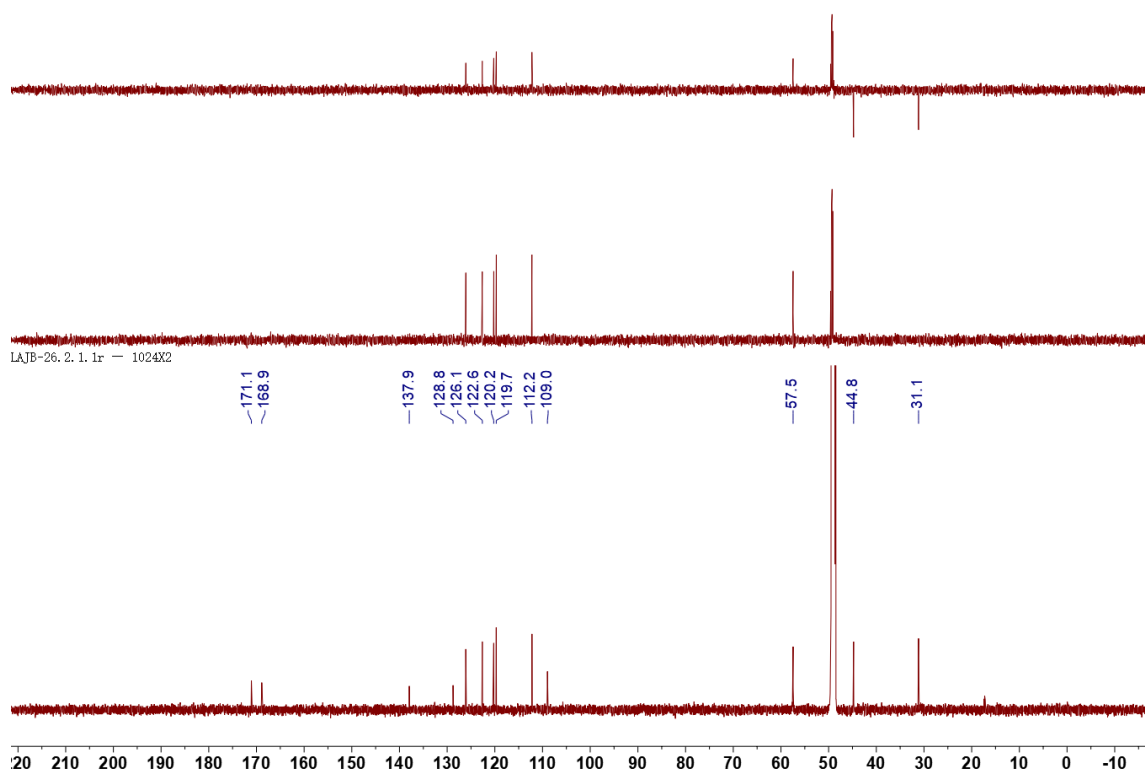


Figure S14:  $^{13}\text{C}$  NMR spectrum of **4** in  $\text{CD}_3\text{OD}$ .

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**Figure S15:** <sup>1</sup>H NMR spectrum of **5** in CD<sub>3</sub>OD.



**Figure S16:** <sup>13</sup>C NMR spectrum of **5** in CD<sub>3</sub>OD

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