

Supporting information for

Secondary Metabolites from *Dendrobium Nobile* and Their Activities Induces Apoptosis in OSC-19 Cells

Yufan Meng^{1, †}, Maosheng Zhang^{1, †}, Yike Fang¹, Jianwen Yang¹, Minjian Dong^{1, 2}, Chengxin Sun^{1, 2, *}, Shiji Xiao^{1, 2, *}

1 Key Laboratory of Basic Pharmacology of Guizhou Province and School of Pharmacy, Zunyi Medical University, Zunyi, Guizhou, 563000

2 Key Laboratory of Basic Pharmacology of Ministry of Education and Joint International Research Laborator Corresponding authors y of Ethnomedicine of Ministry of Education, Zunyi Medical University, Zunyi 563000, China

* Correspondence: E-mail address: suncx926@nenu.edu.cn; xiaoshiji84@163.com

† These authors contributed equally to this work.

Tables of Contents

- S1. ^1H -NMR spectrum (400 MHz, acetone- d_6) of compound **1**
- S2. ^{13}C -NMR spectrum (100 MHz, acetone- d_6) of compound **1**
- S3. ^1H - ^1H COSY NMR spectrum (400 MHz, acetone- d_6) of compound **1**
- S4. ^1H - ^{13}C HSQC NMR spectrum (acetone- d_6) of compound **1**
- S5. ^1H - ^{13}C HMBC NMR spectrum (acetone- d_6) of compound **1**
- S6. NOESY spectrum (acetone- d_6) of compound **1**
- S7. HR-ESI-MS of compound **1**
- S8. ^1H -NMR spectrum (400 MHz, acetone- d_6) of compound **2**
- S9. ^{13}C -NMR spectrum (100 MHz, acetone- d_6) of compound **2**
- S10. ^1H - ^1H COSY NMR spectrum (400 MHz, acetone- d_6) of compound **2**
- S11. ^1H - ^{13}C HSQC NMR spectrum (acetone- d_6) of compound **2**
- S12. ^1H - ^{13}C HMBC NMR spectrum (acetone- d_6) of compound **2**
- S13. NOESY spectrum (acetone- d_6) of compound **2**
- S14. HR-ESI-MS of compound **2**

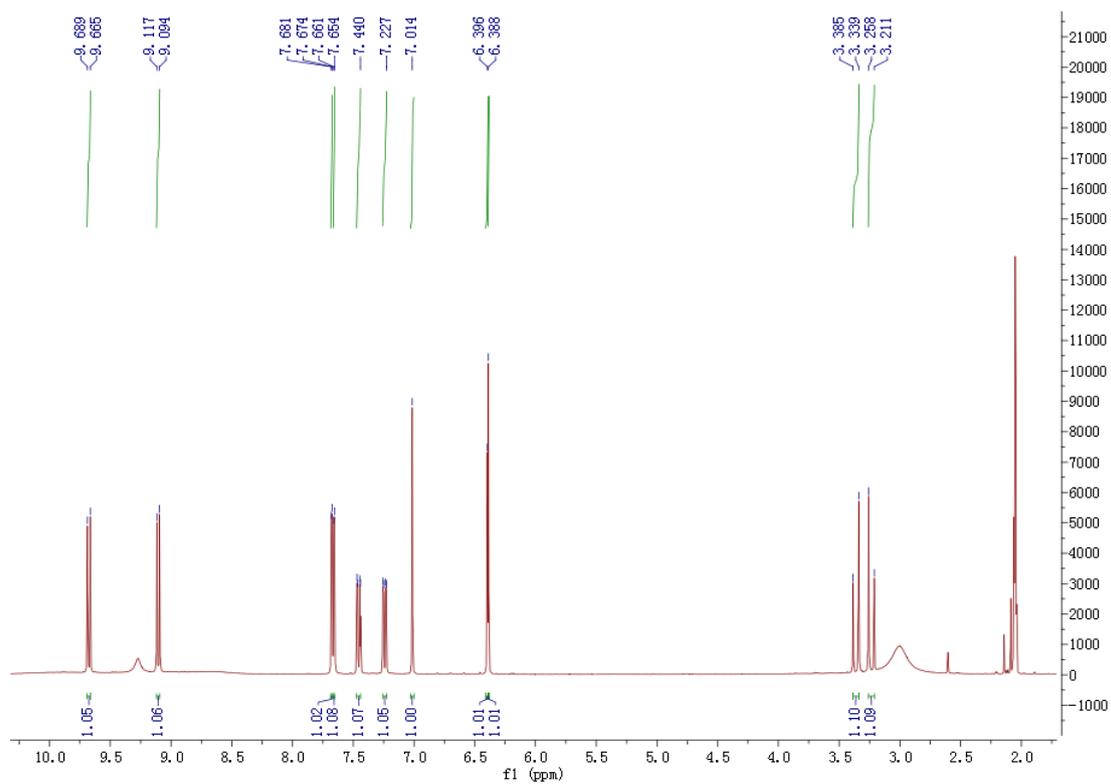


Figure S1. ^1H -NMR spectrum (400 MHz, acetone- d_6) of compound **1**

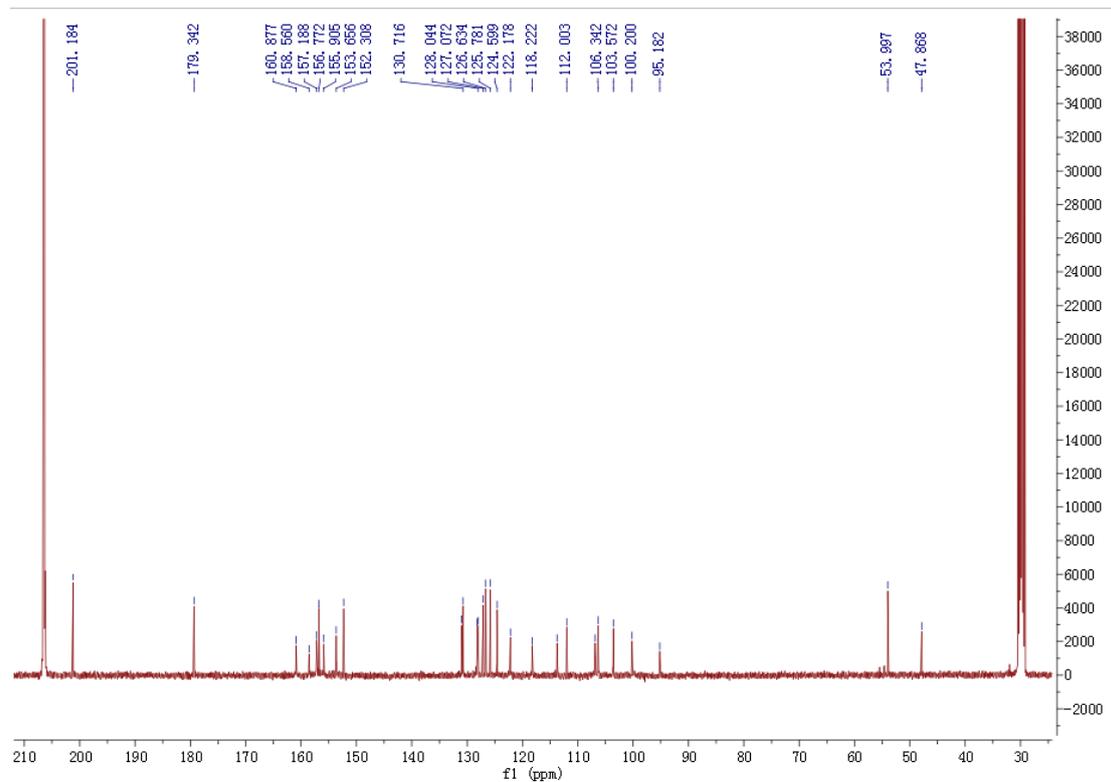


Figure S2. ^{13}C -NMR spectrum (100 MHz, acetone- d_6) of compound **1**

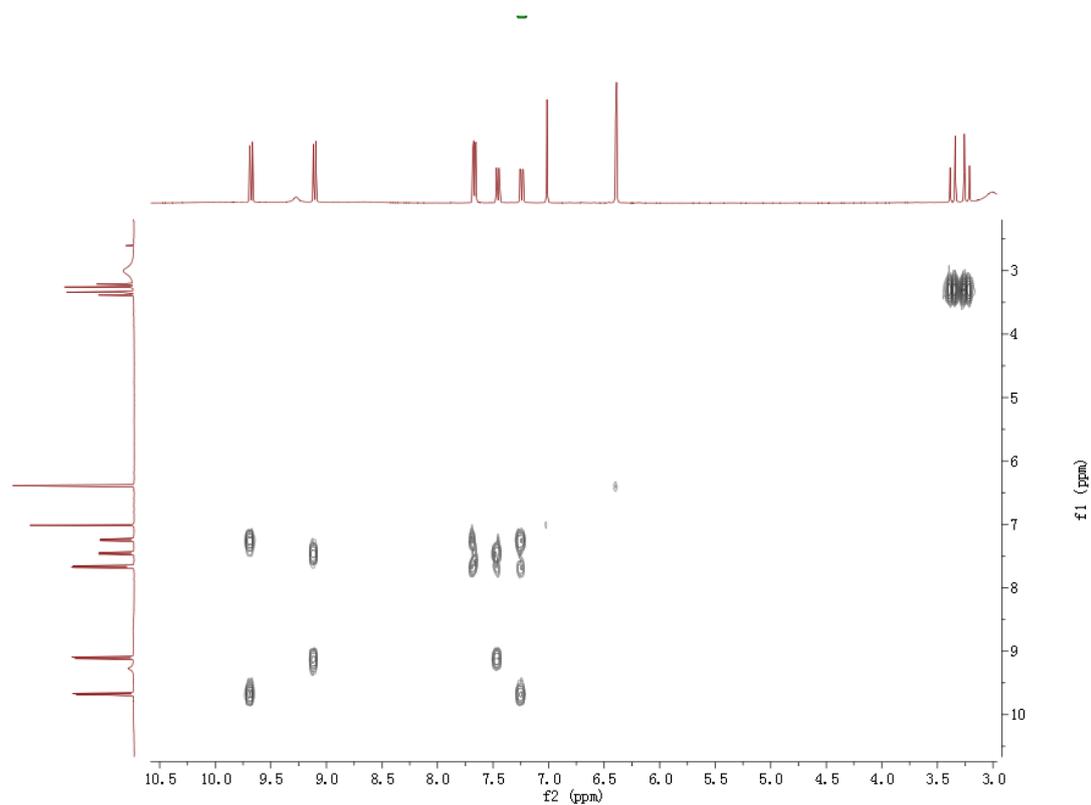


Figure S3. ^1H - ^1H COSY NMR spectrum (400 MHz, acetone- d_6) of compound **1**

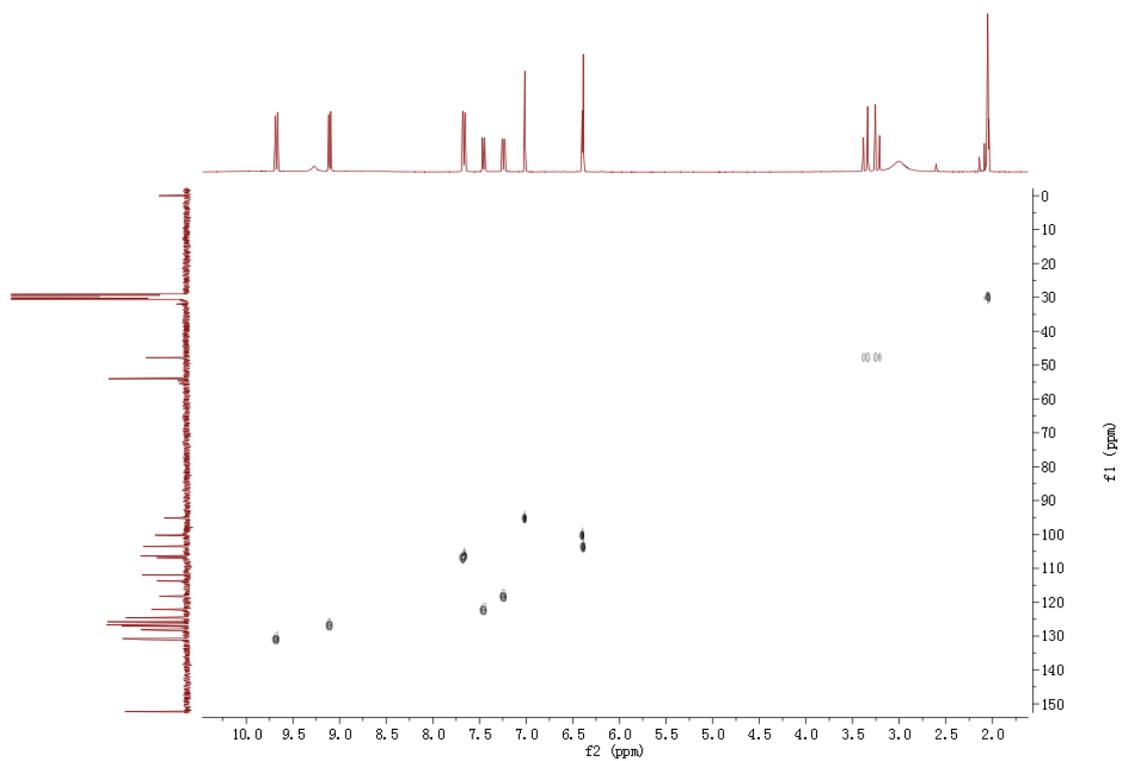


Figure S4. ^1H - ^{13}C HSQC NMR spectrum (acetone- d_6) of compound **1**

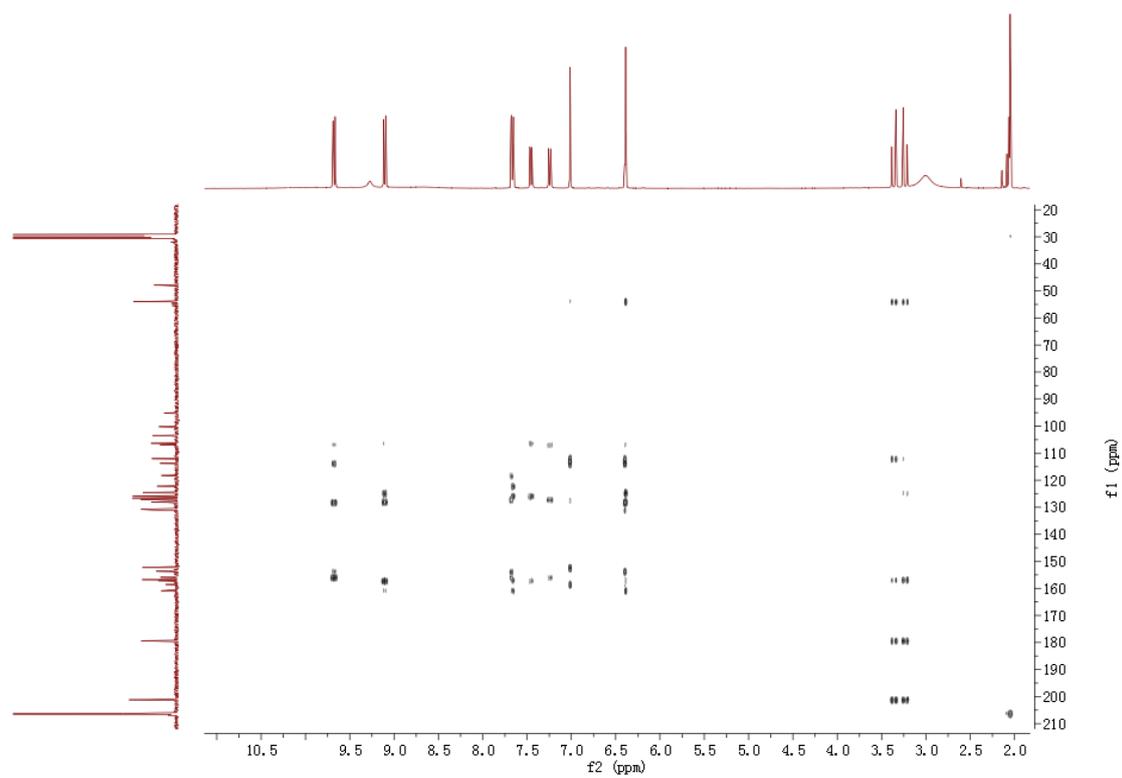


Figure S5. ^1H - ^{13}C HMBC NMR spectrum (acetone- d_6) of compound **1**

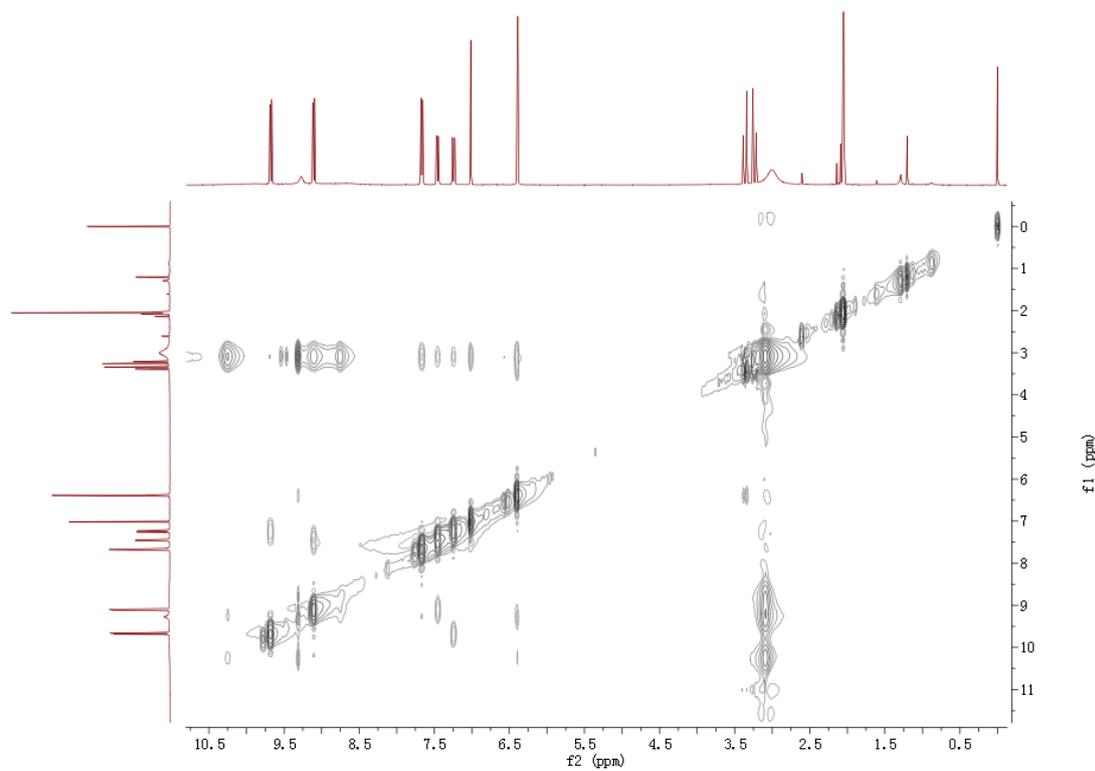


Figure S6. NOESY spectrum (acetone- d_6) of compound **1**

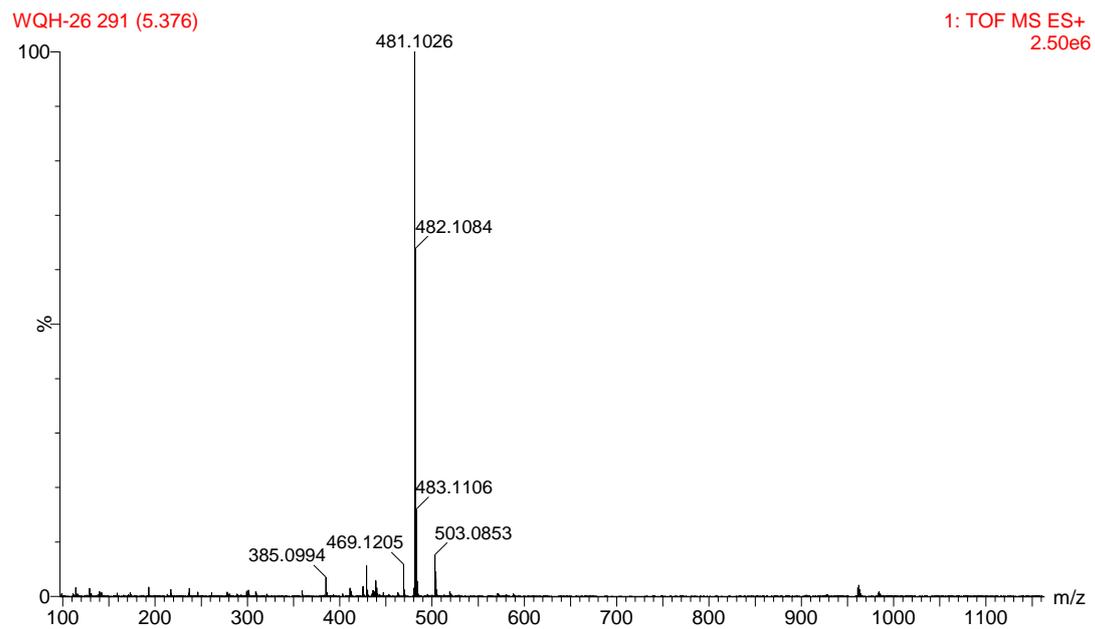


Figure S7. HR-ESI-MS of compound **1**

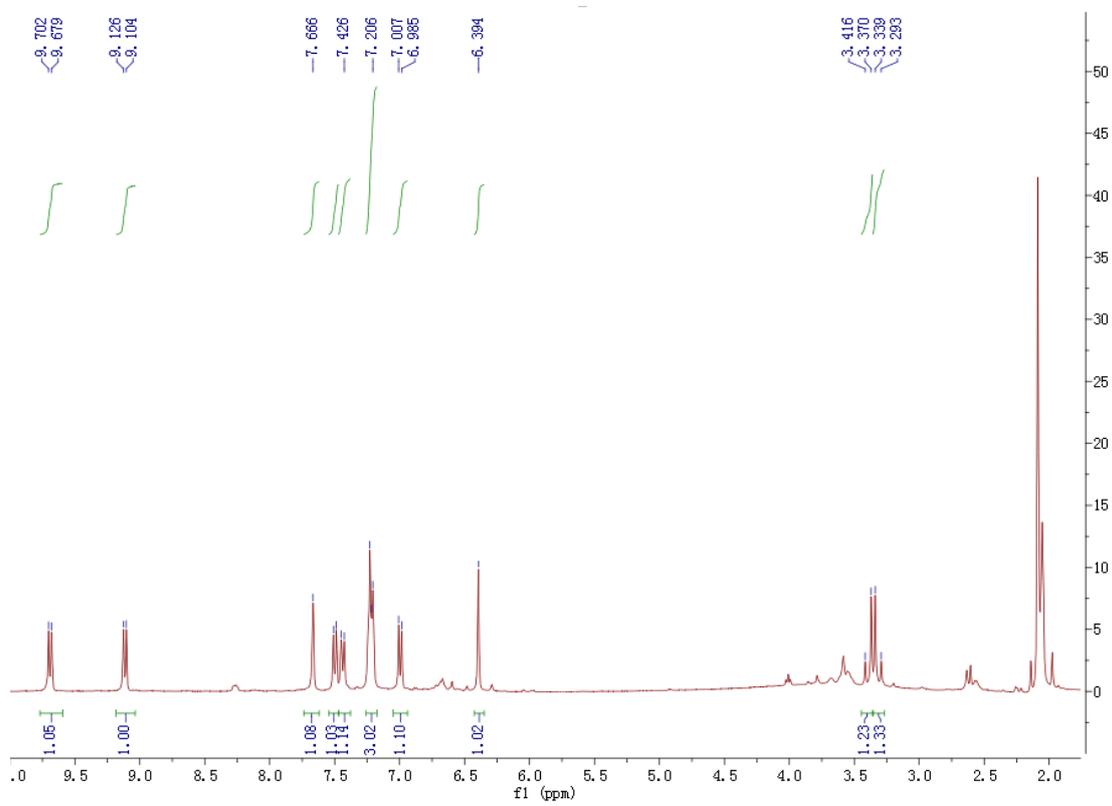


Figure S8. $^1\text{H-NMR}$ spectrum (400 MHz, acetone- d_6) of compound **2**

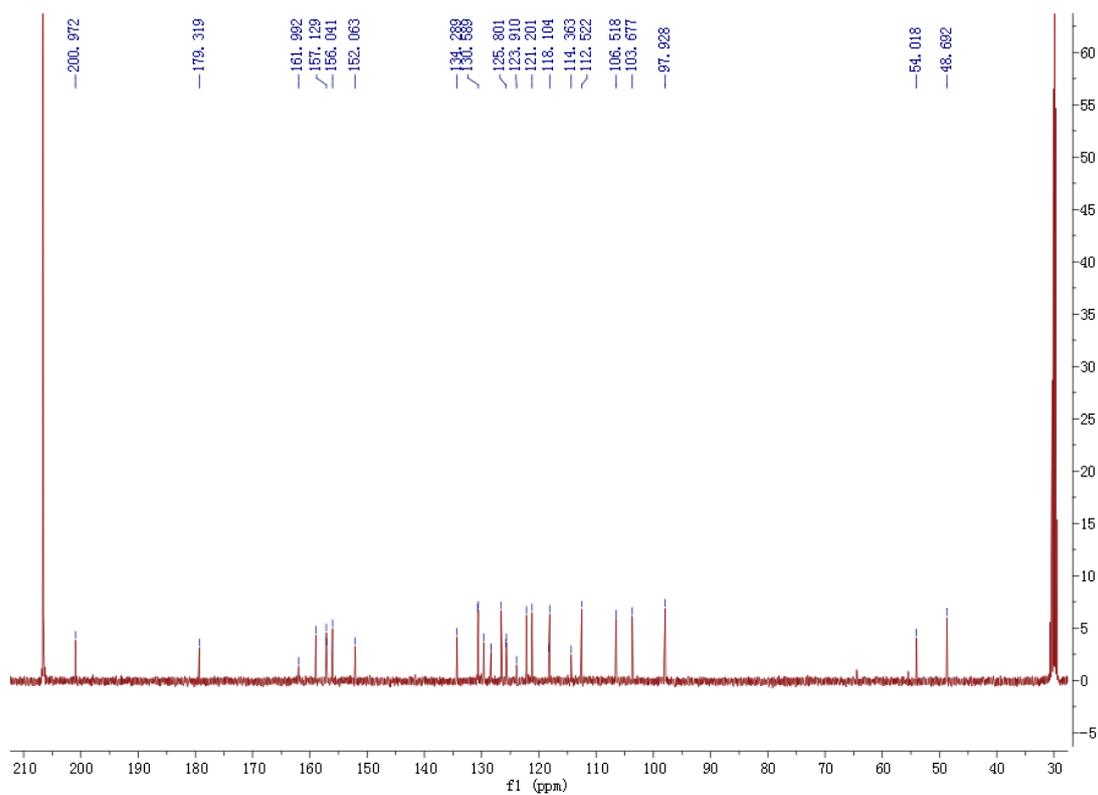


Figure S9. ^{13}C -NMR spectrum (100 MHz, acetone- d_6) of compound **2**

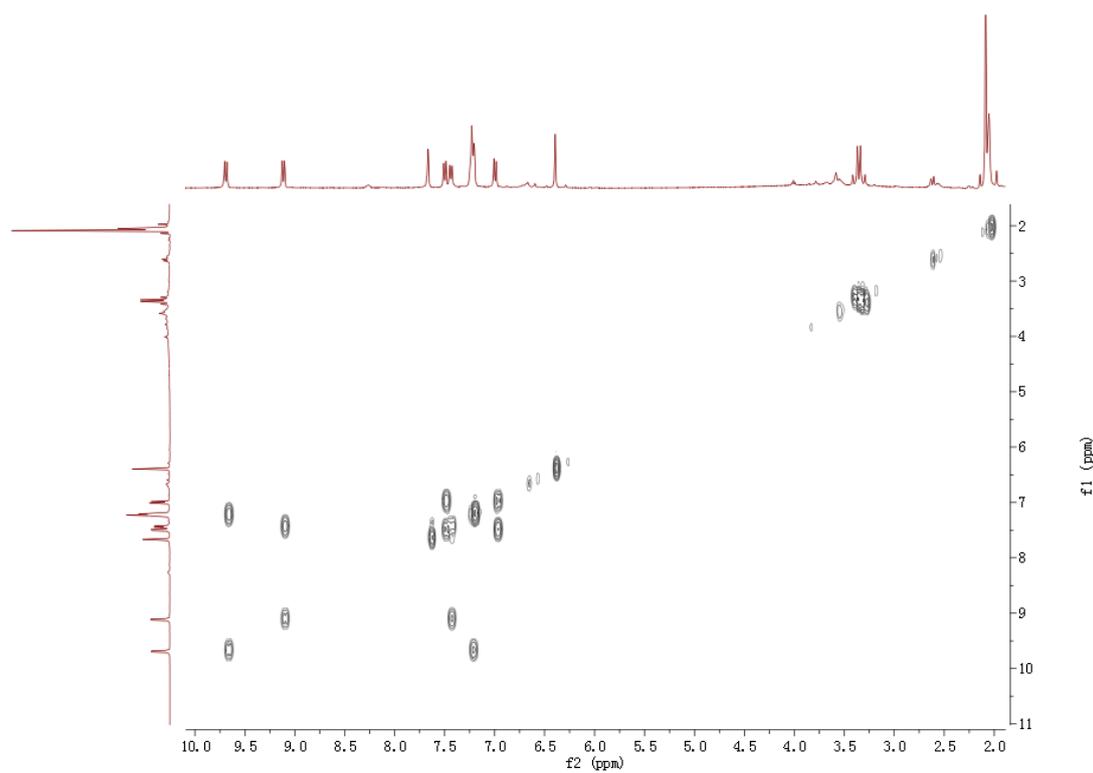


Figure S10. ^1H - ^1H COSY NMR spectrum (400 MHz, acetone- d_6) of compound **2**

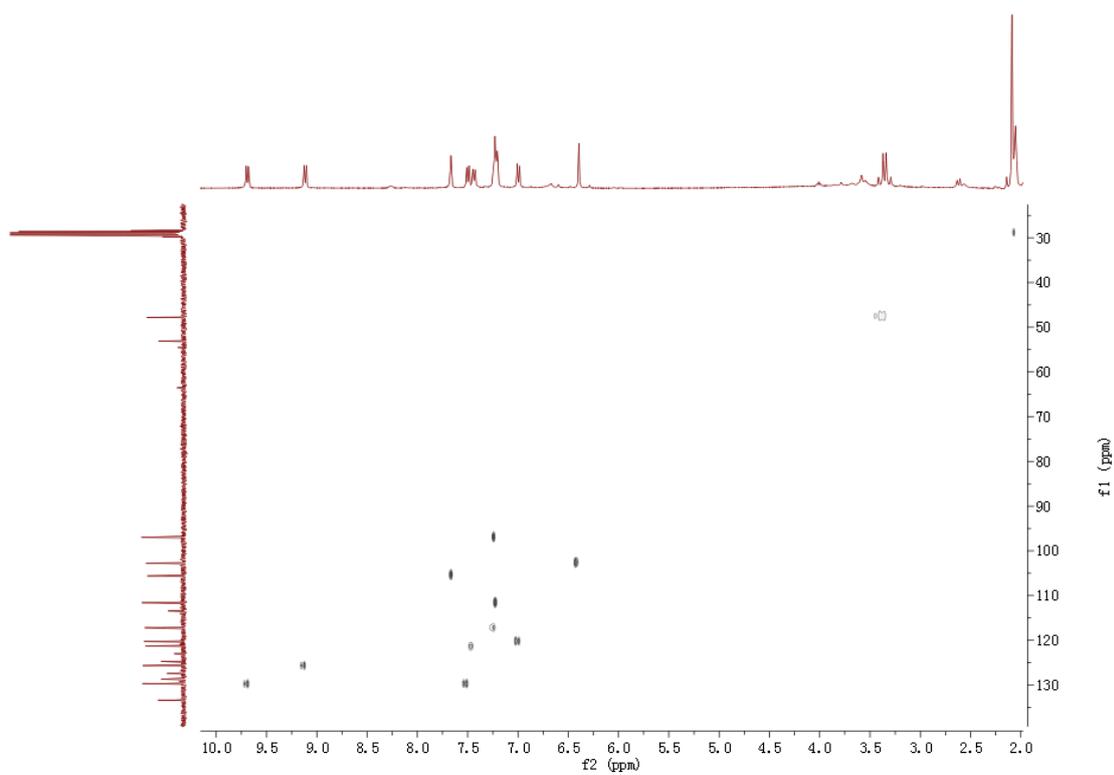


Figure S11. ^1H - ^{13}C HSQC NMR spectrum (acetone- d_6) of compound **2**

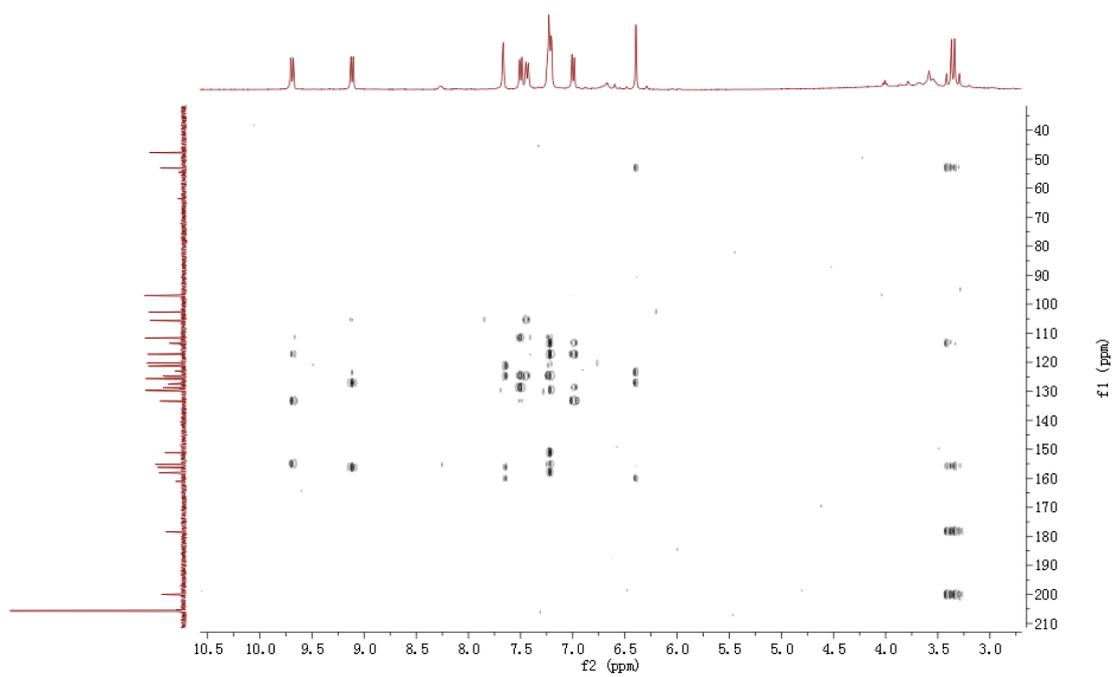


Figure S12. ^1H - ^{13}C HMBC NMR spectrum (acetone- d_6) of compound **2**

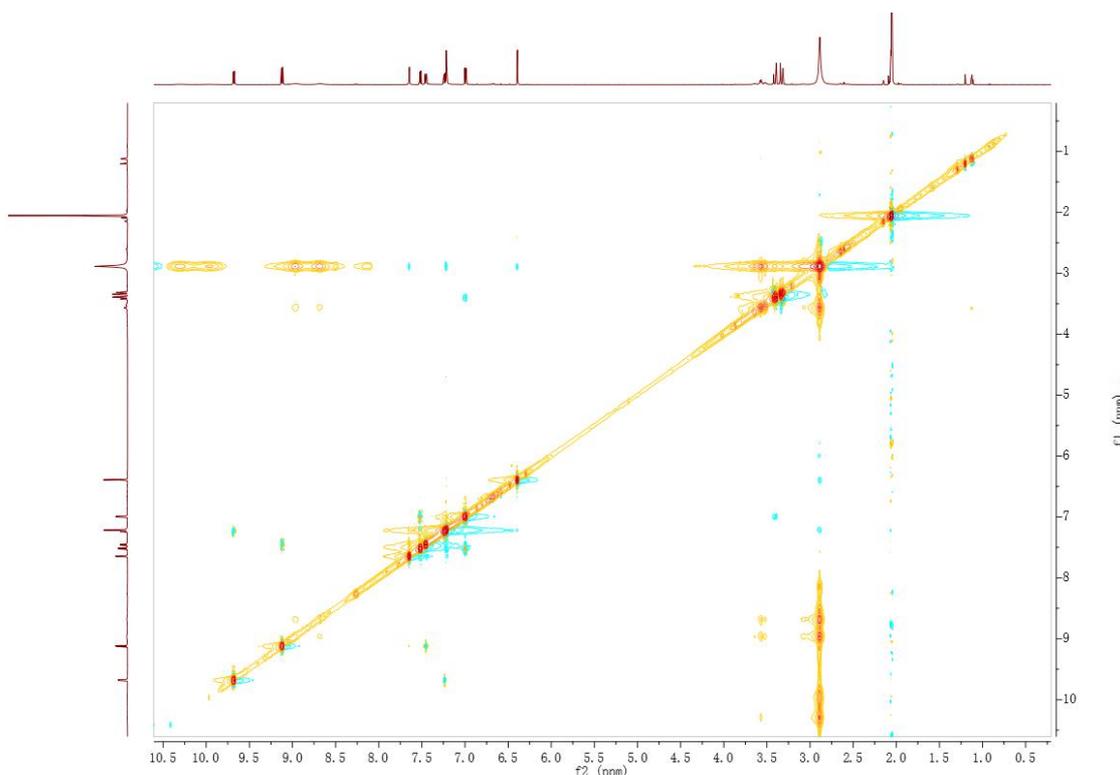


Figure S13. NOESY spectrum (acetone- d_6) of compound **2**

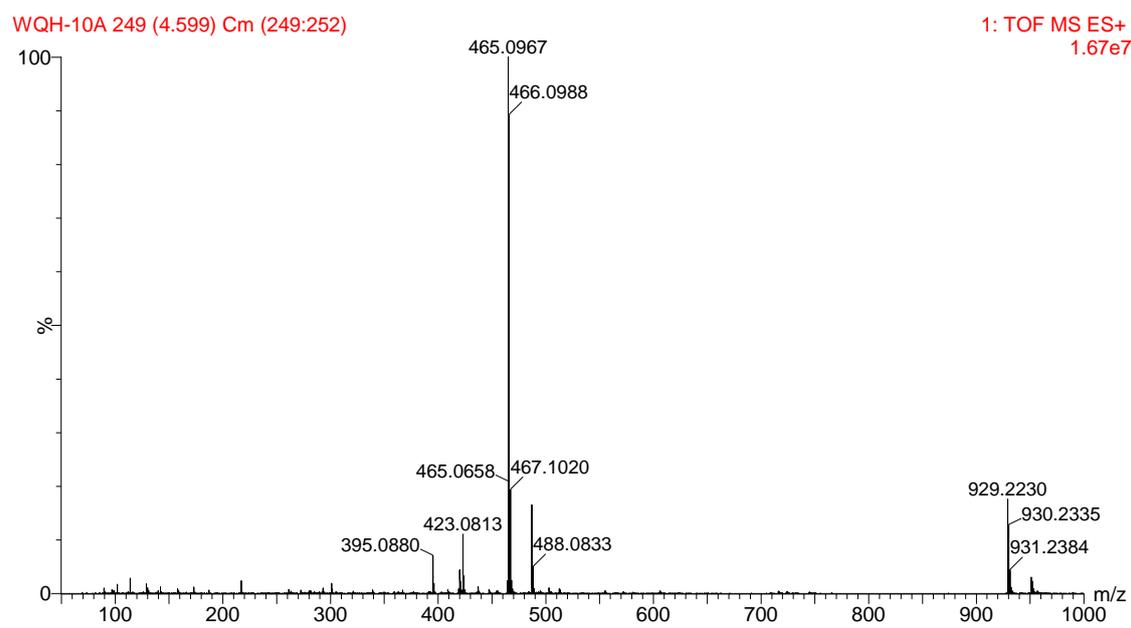


Figure S14. HR-ESI-MS of compound **2**