

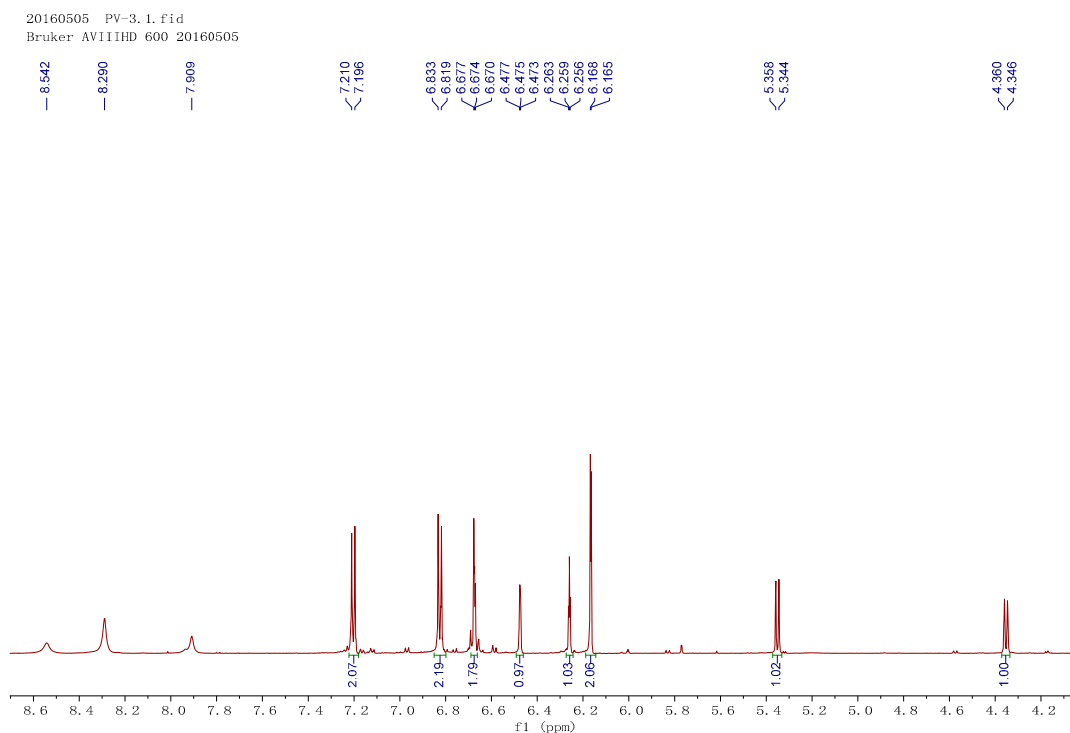
Supplementary data
Biomimetic Synthesis of Resveratrol Trimers Catalyzed by Horseradish Peroxidase

Jian-Qiao Zhang ¹, Gan-Peng Li ², Yu-Long Kang ¹, Bin-Hao Teng ¹ and Chun-Suo Yao^{1,*}

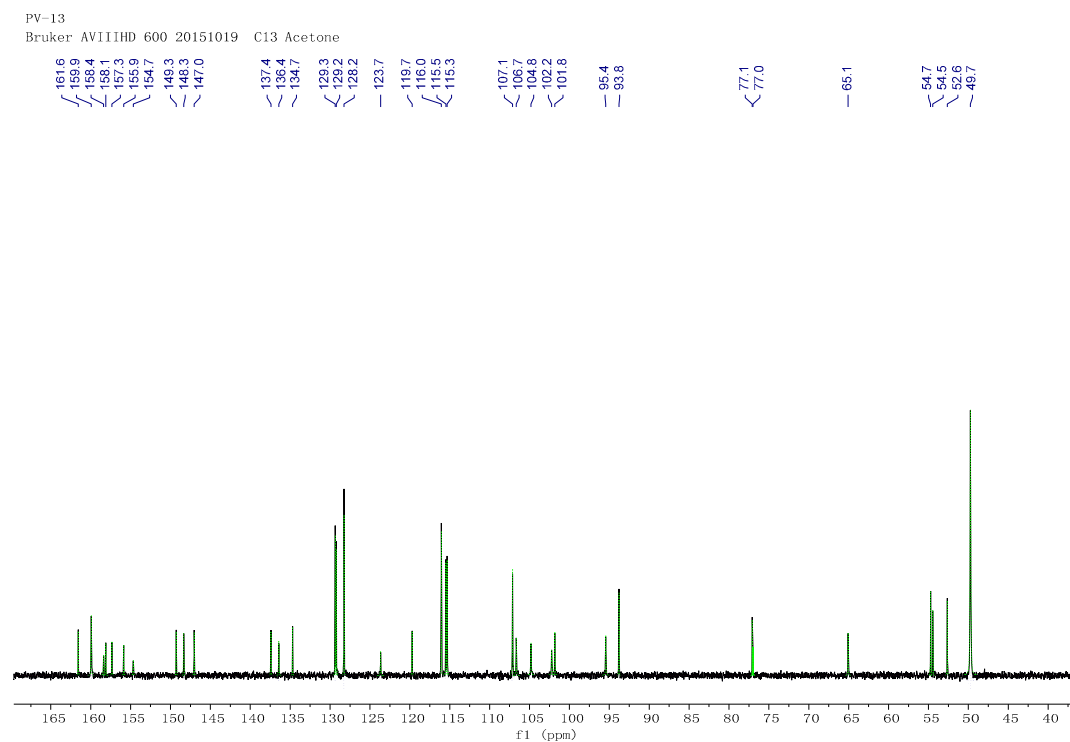
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S1. ^1H -NMR spectrum of compound **3** in CD_3COCD_3 .

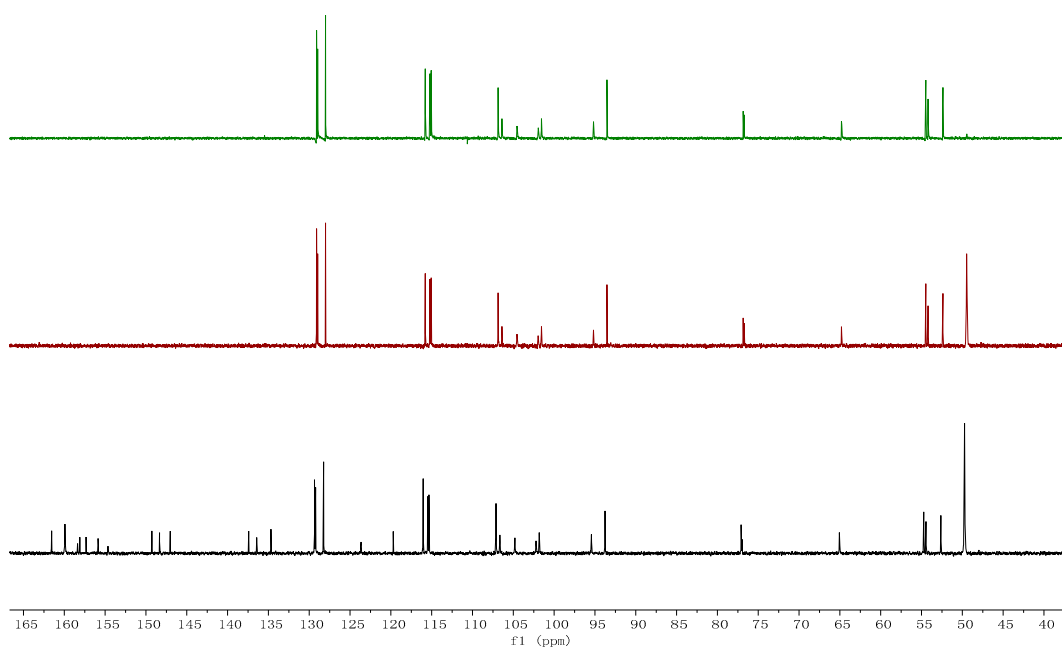


S2. ^{13}C -NMR spectrum of compound **3** in CD_3COCD_3 .



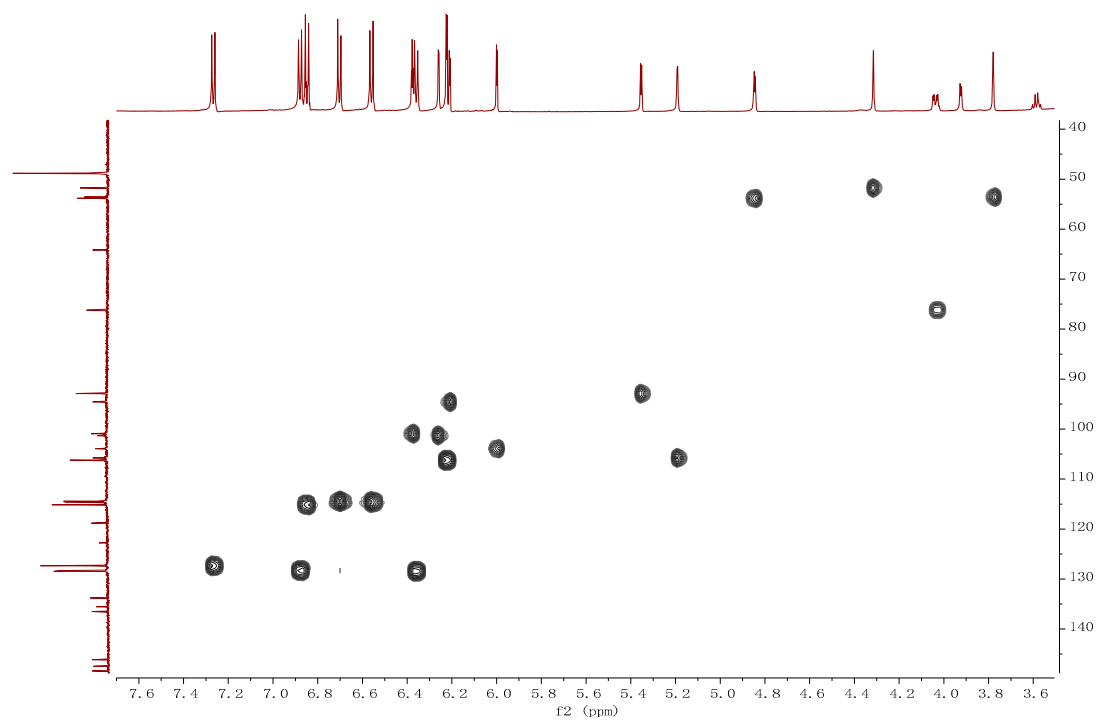
S3. DEPT spectrum of compound **3** in CD₃COCD₃.

PV-13
Bruker AVIIIHD 600 20151022 DEPT Acetone



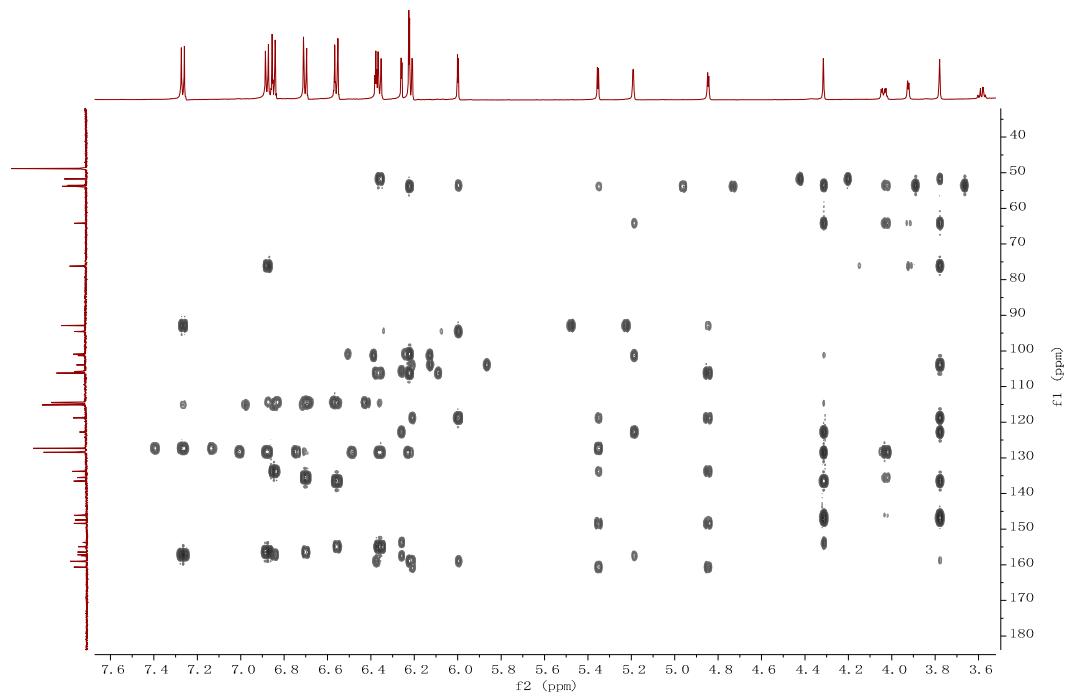
S4. HSQC spectrum of compound **3** in CD₃COCD₃.

PV-13
Bruker AVIIIHD 600 20151102 HSQC Acetone



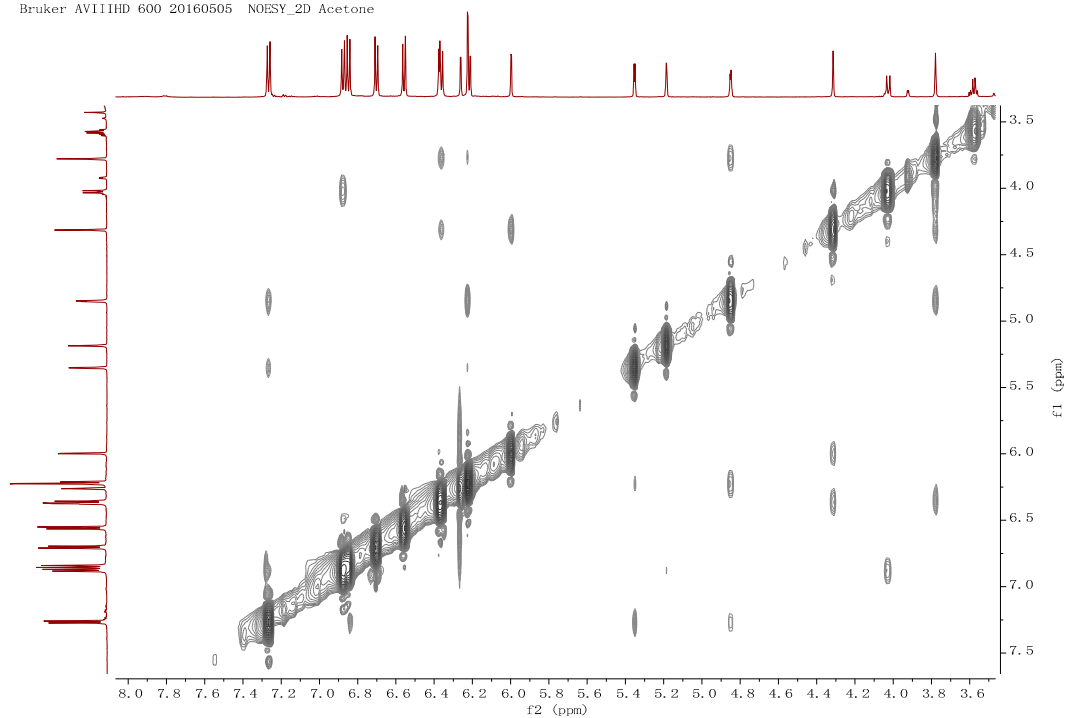
S5. HMBC spectrum of compound **3** in CD₃COCD₃.

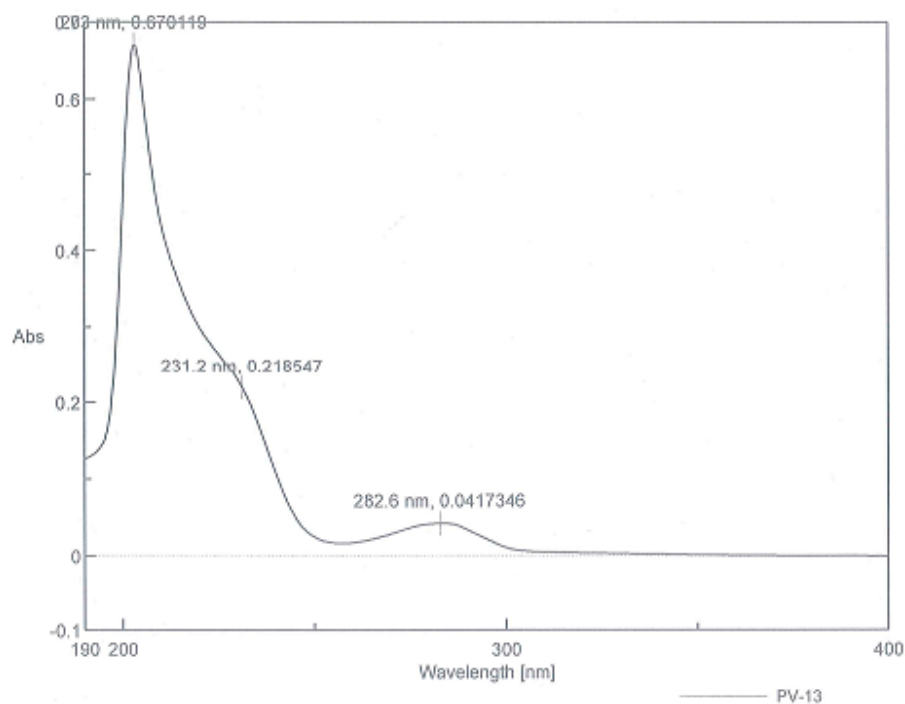
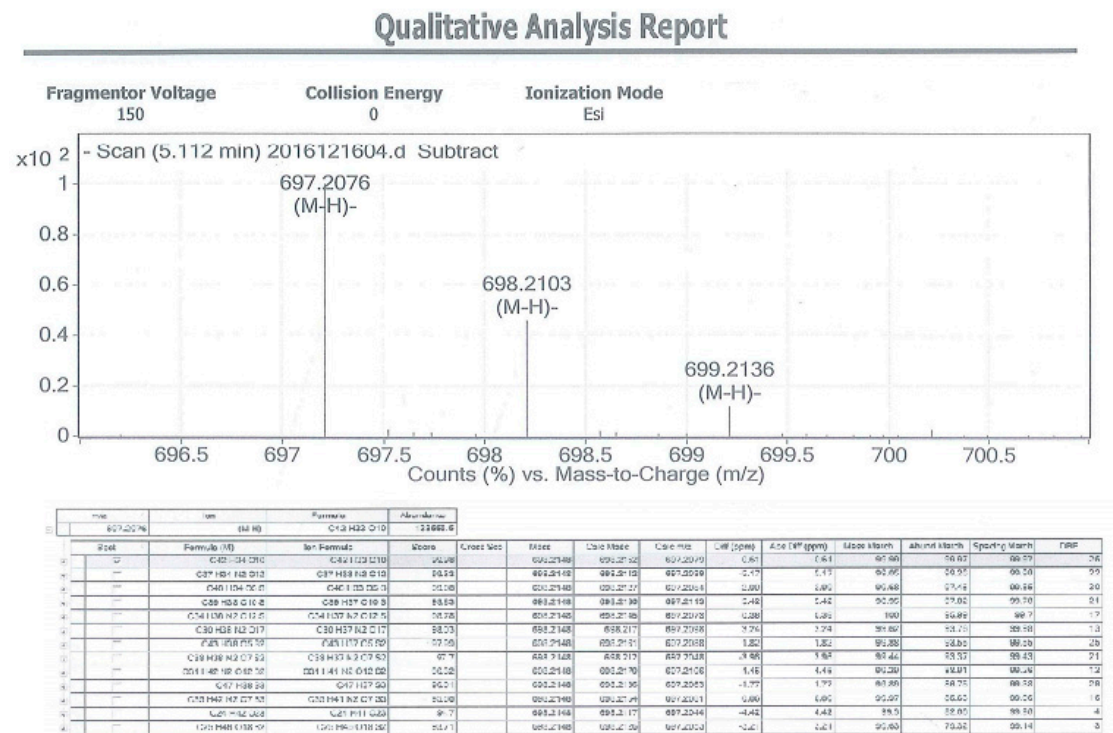
PV-13
Bruker AVIIIHD 600 20151102 HMBC Acetone



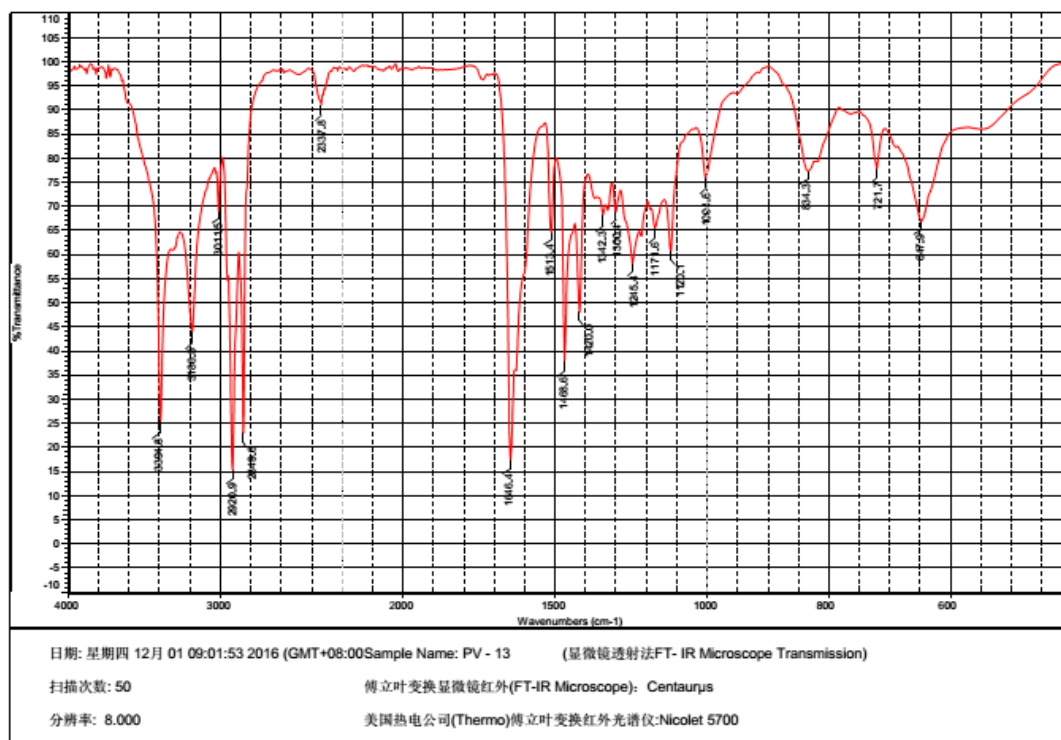
S6. NOESY spectrum of compound **3** in CD₃COCD₃.

PV-13
Bruker AVIIIHD 600 20160505 NOESY_2D Acetone

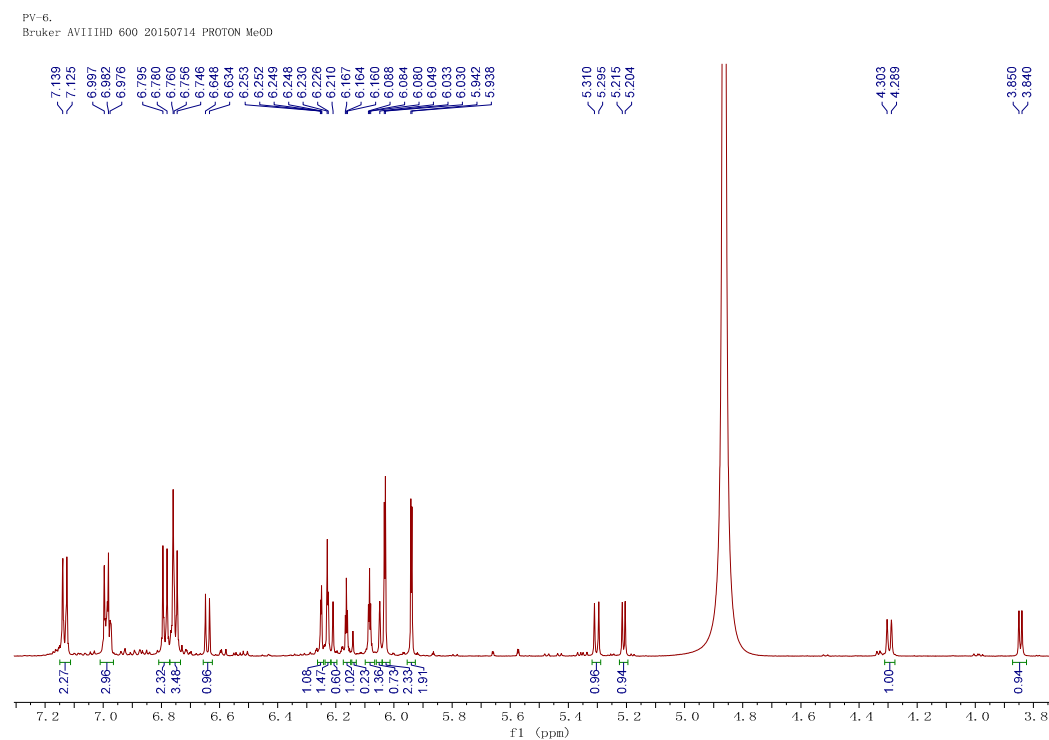




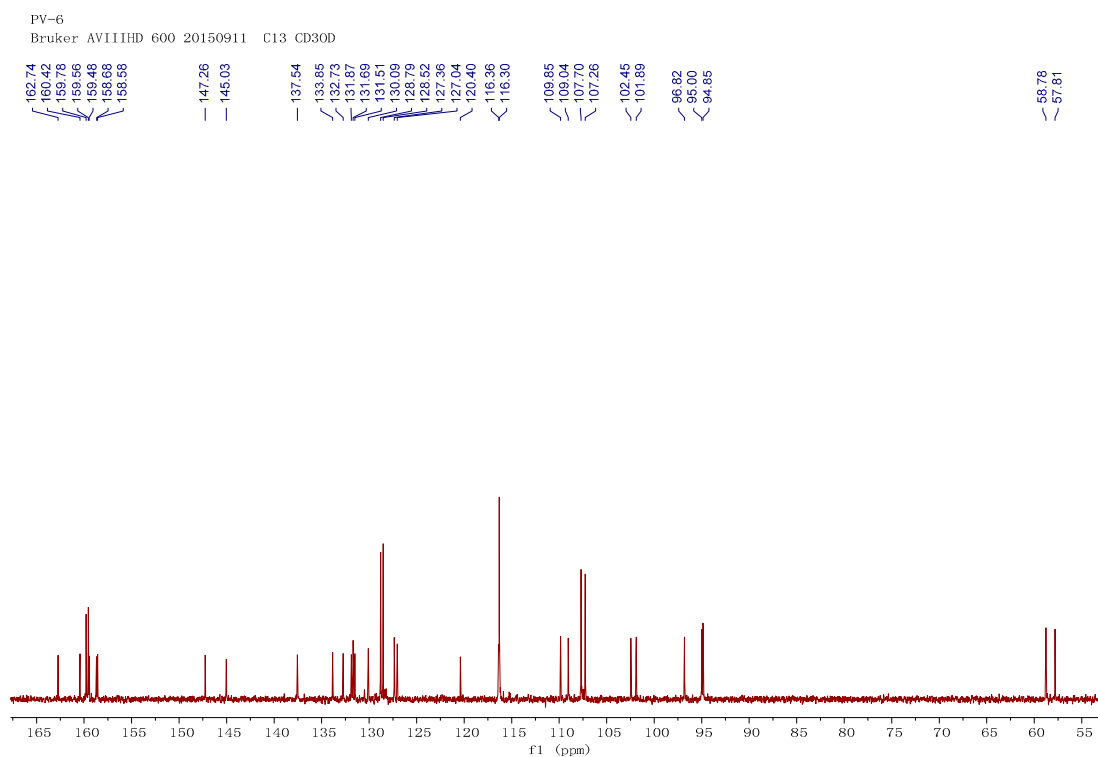
S9. IR spectrum of compound **3**.



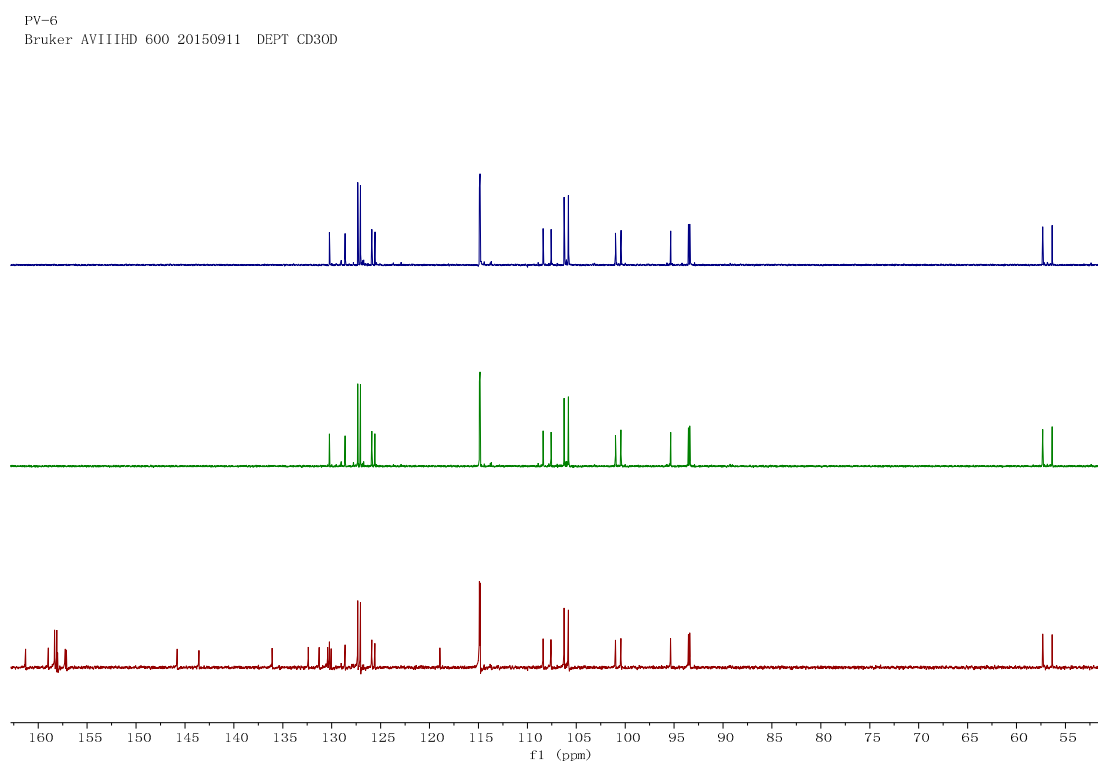
S10. ^1H -NMR spectrum of compound **4** in CD_3OD .



S11. ^{13}C -NMR spectrum of compound **4** in CD_3OD .



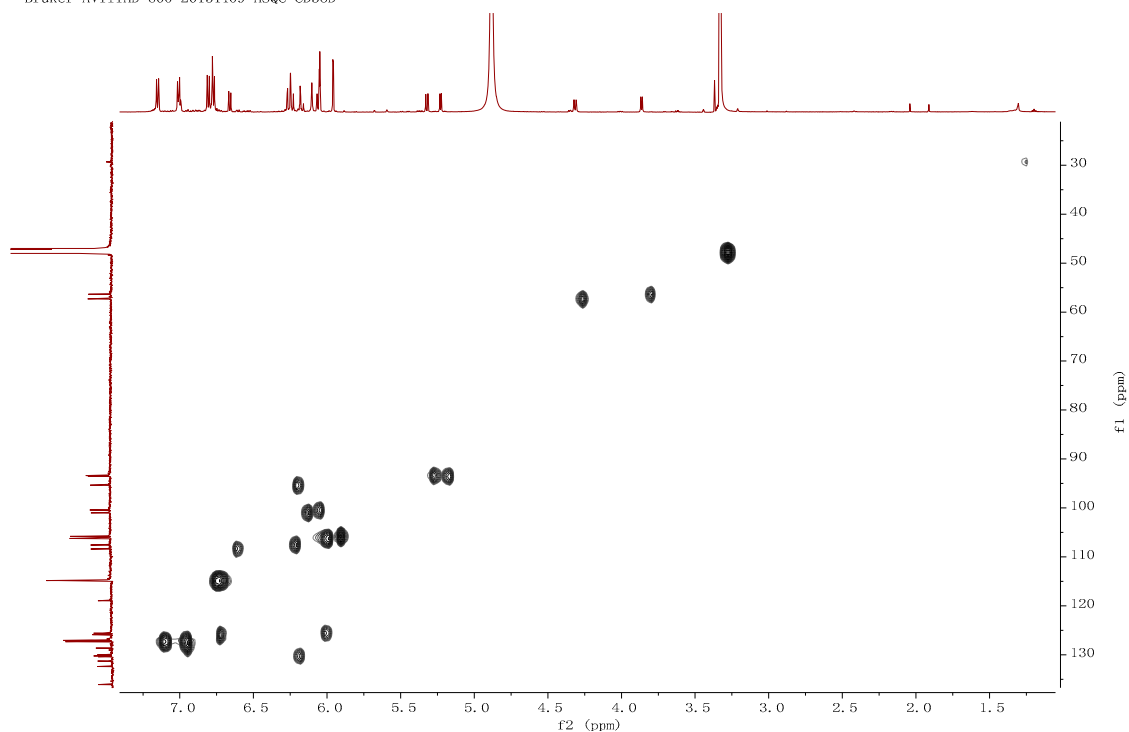
S12. DEPT spectrum of compound **4** in CD_3OD .



S13. HSQC spectrum of compound **4** in CD₃OD.

PV-6

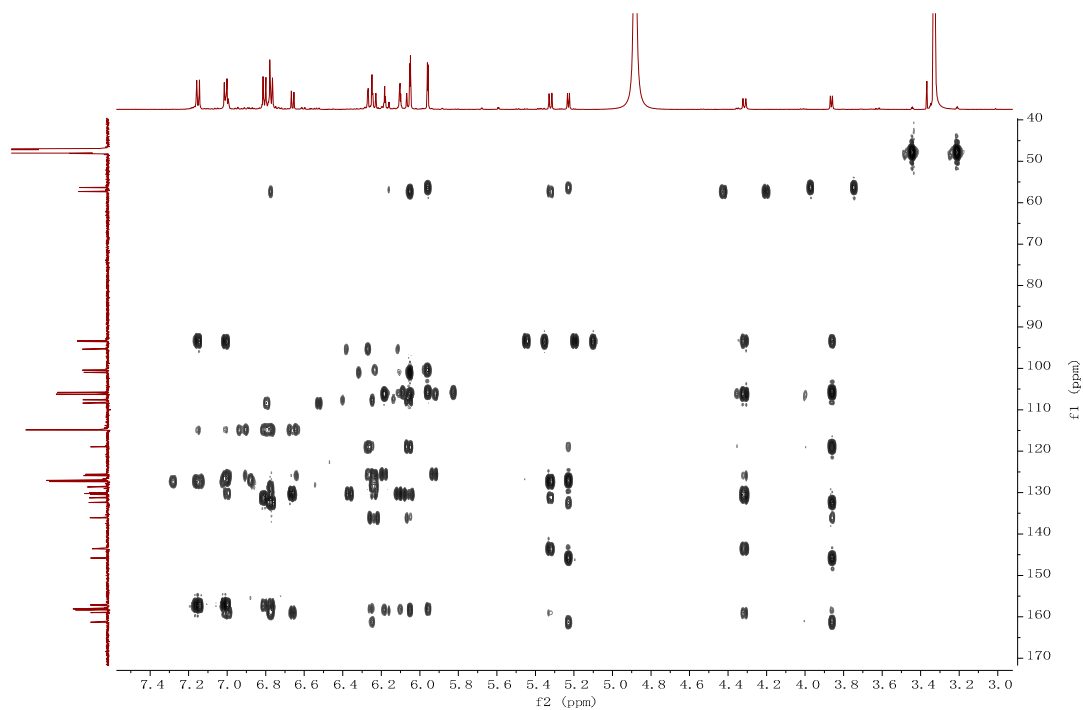
Bruker AVIIIHD 600 20151109 HSQC CD3OD



S14. HMBC spectrum of compound **4** in CD₃OD.

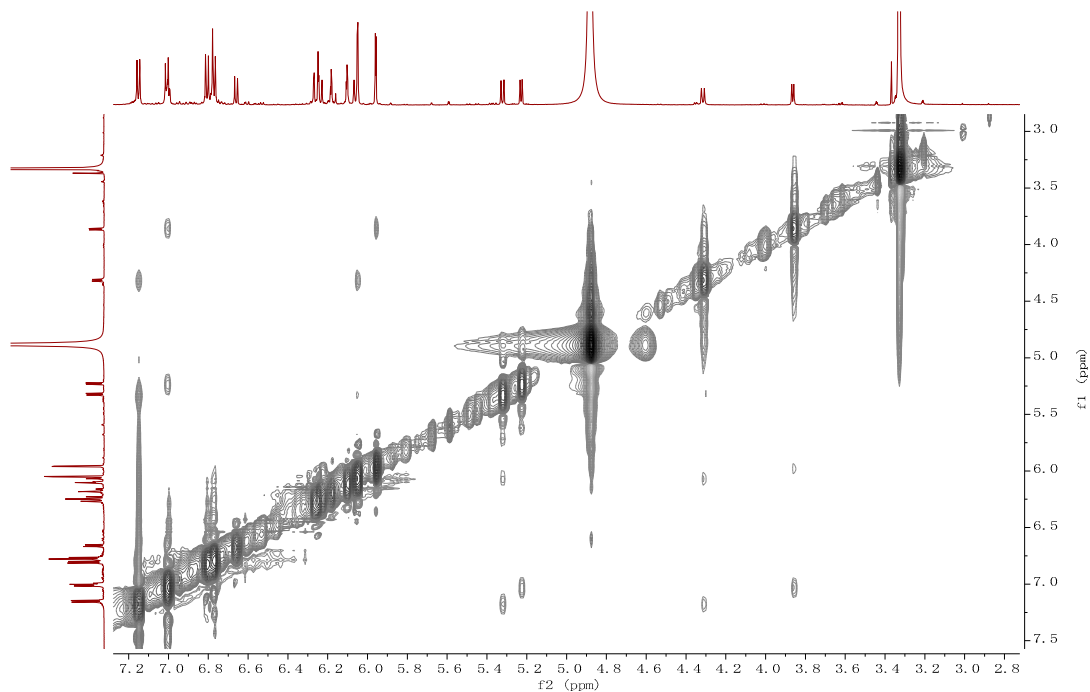
PV-6

Bruker AVIIIHD 600 20151109 HMBC CD3OD



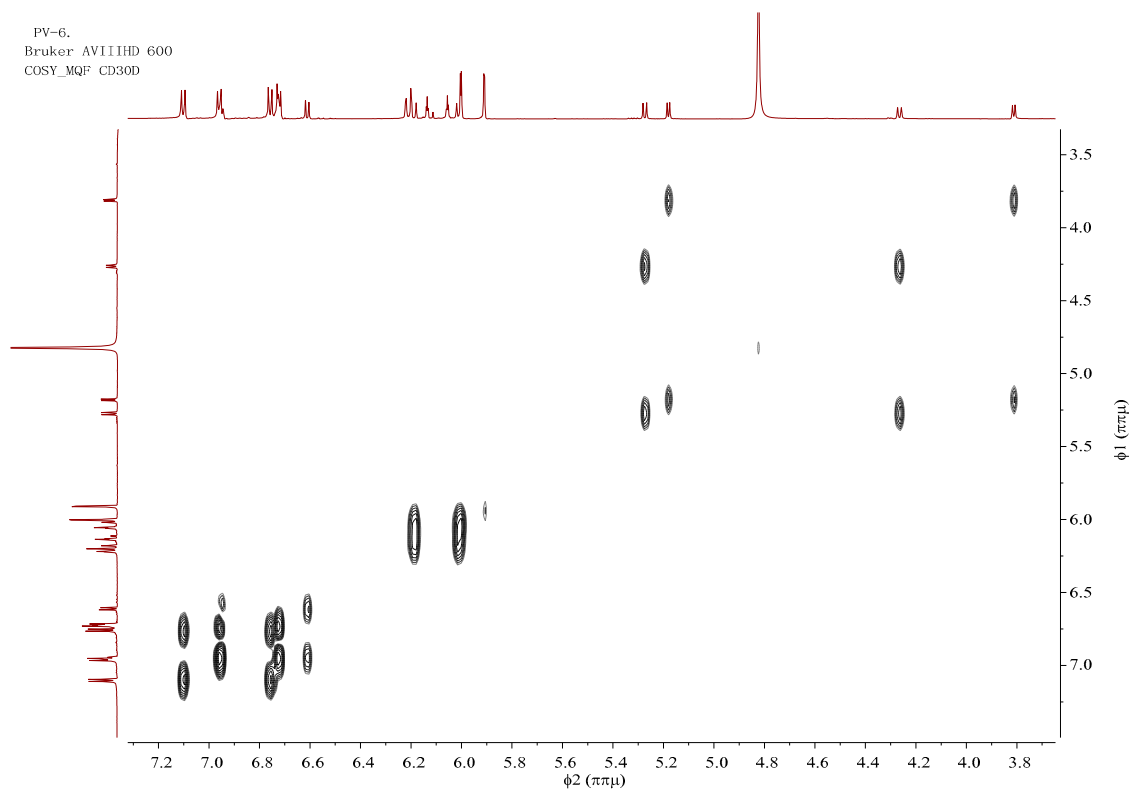
S15. NOESY spectrum of compound **4** in CD₃OD.

PV-6
Bruker AVIIIHD 600 20151109 NOESY_2D CD3OD

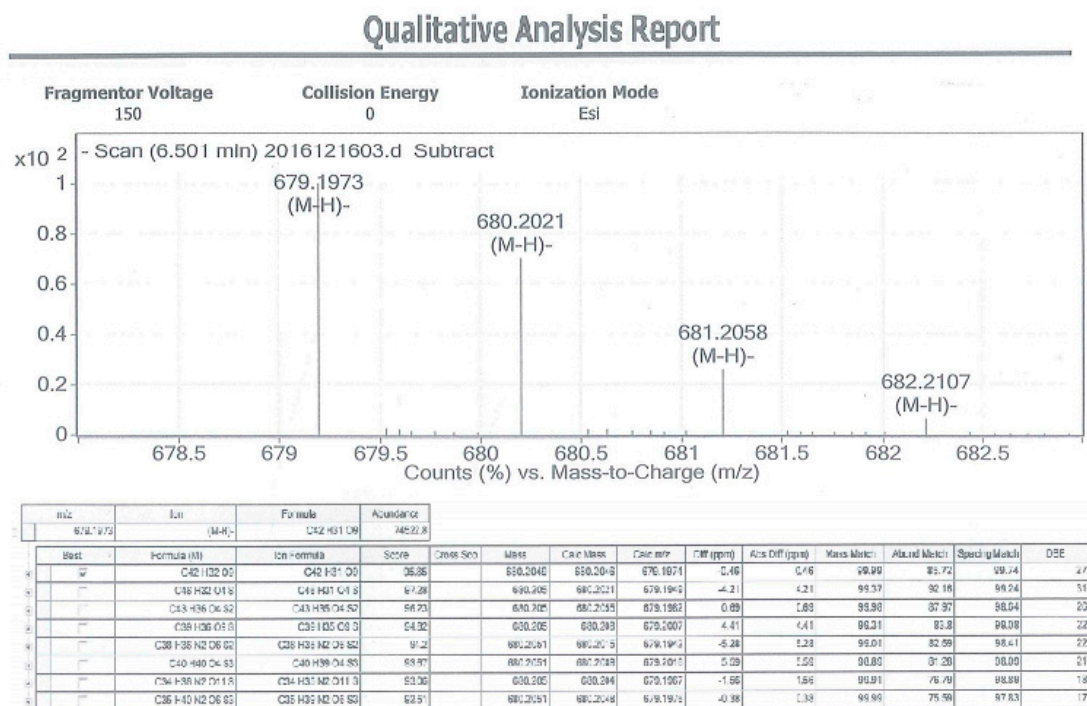


S16. COSY spectrum of compound **4** in CD₃OD

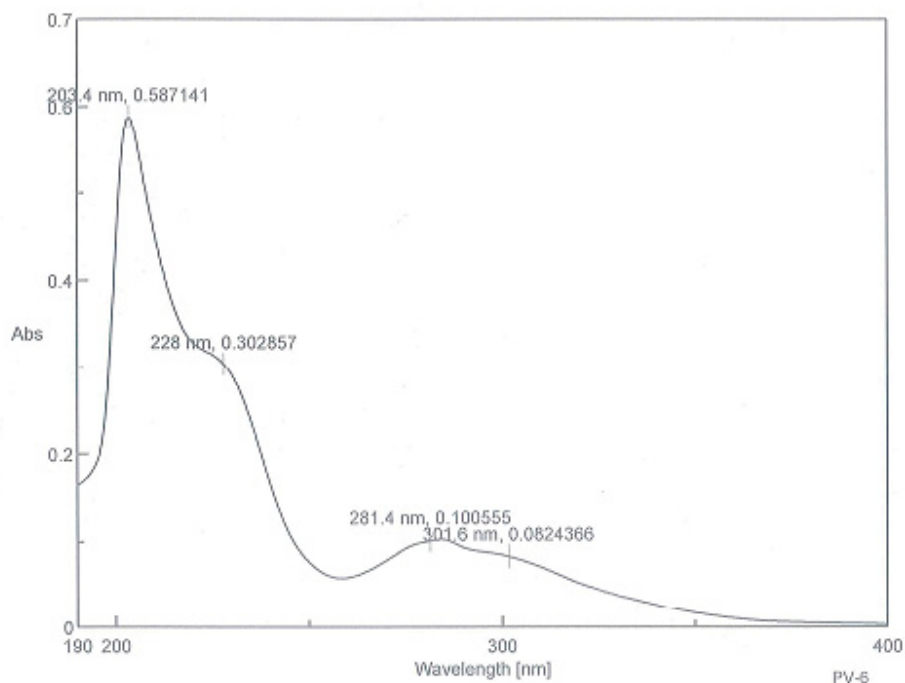
PV-6,
Bruker AVIIIHD 600
COSY_MQF CD3OD



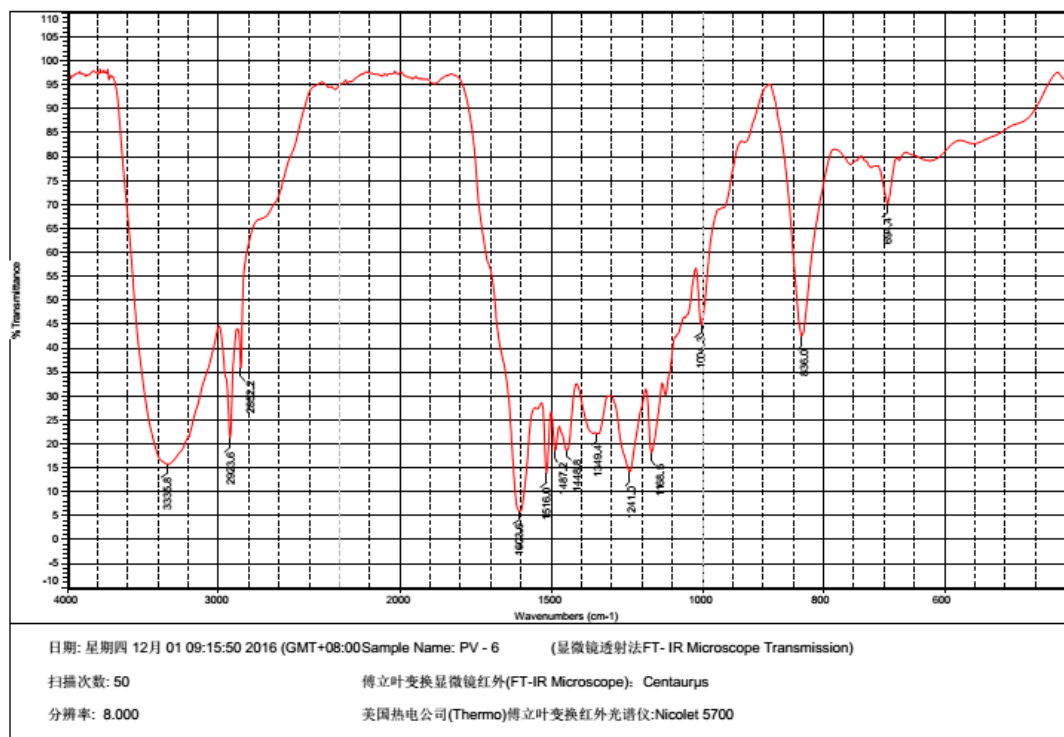
S17. HRESIMS spectrum of compound 4.



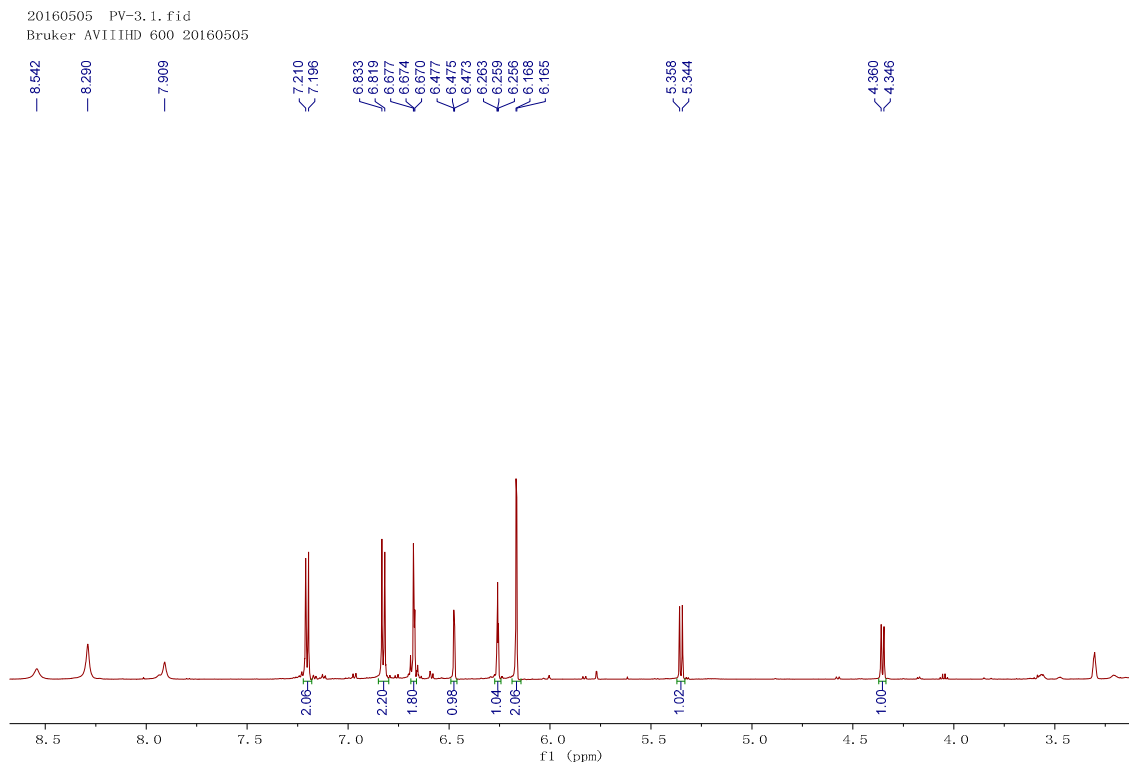
S18. UV spectrum of compound 4 in CH₃OH.



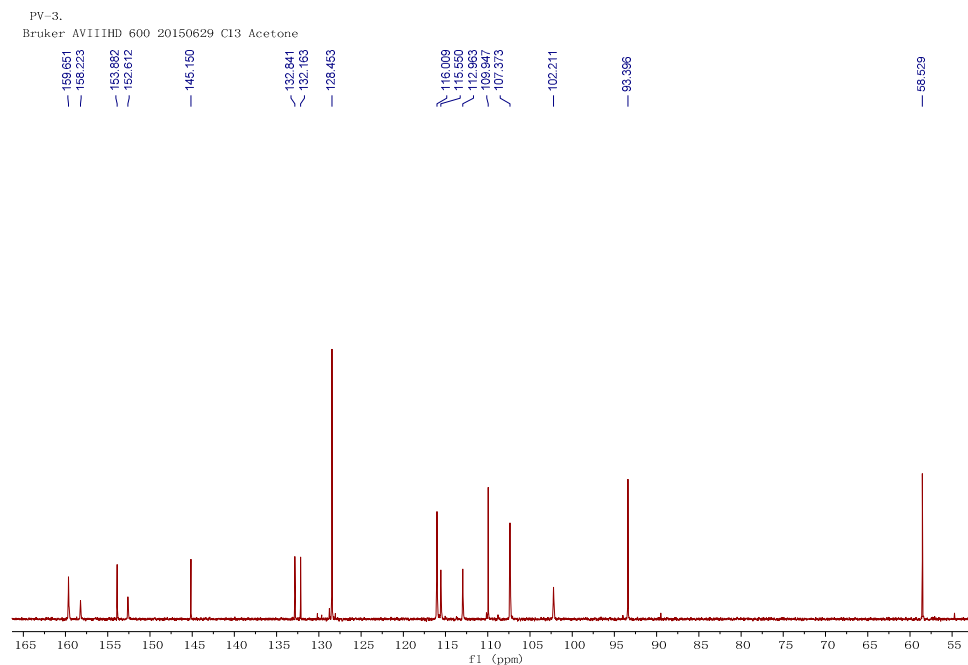
S19. IR spectrum of compound **4**.



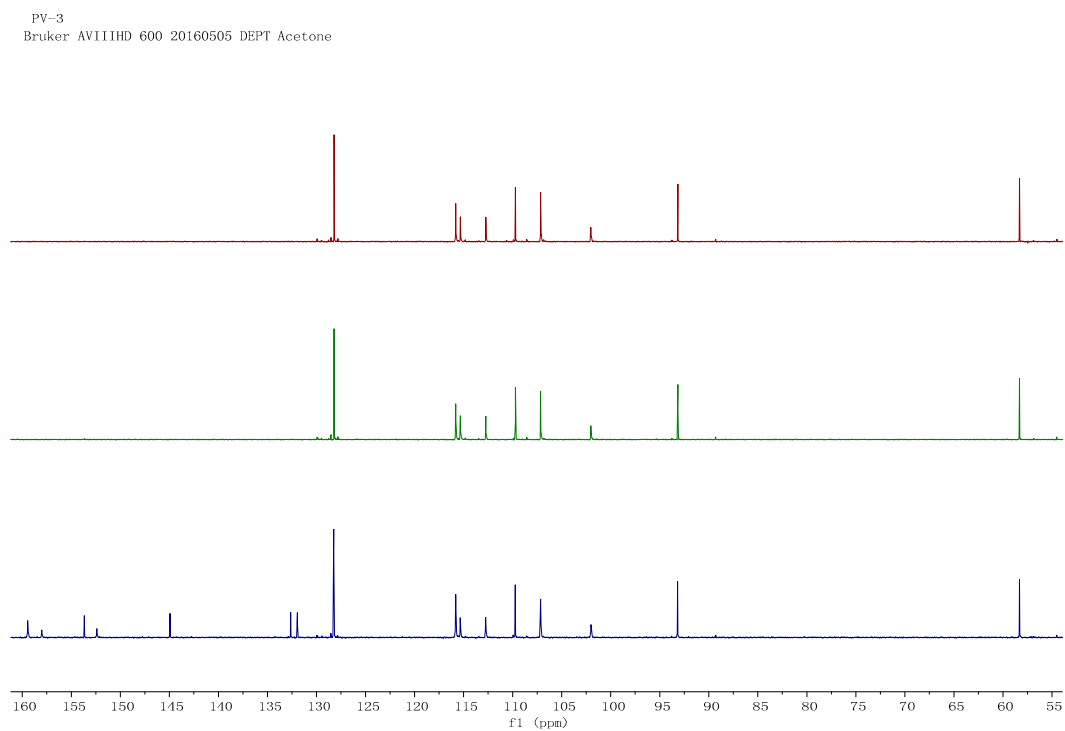
S20. ¹H-NMR spectrum of compound **5** in CD₃COCD₃.



S21. ^{13}C -NMR spectrum of compound **5** in CD_3COCD_3 .

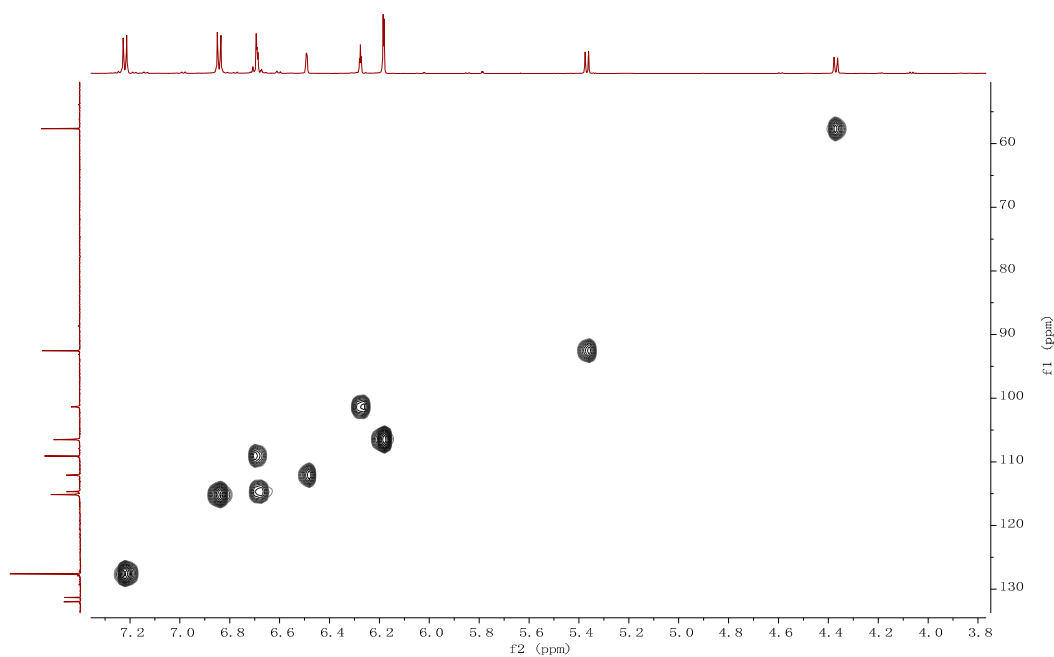


S22. DEPT spectrum of compound **5** in CD_3COCD_3 .



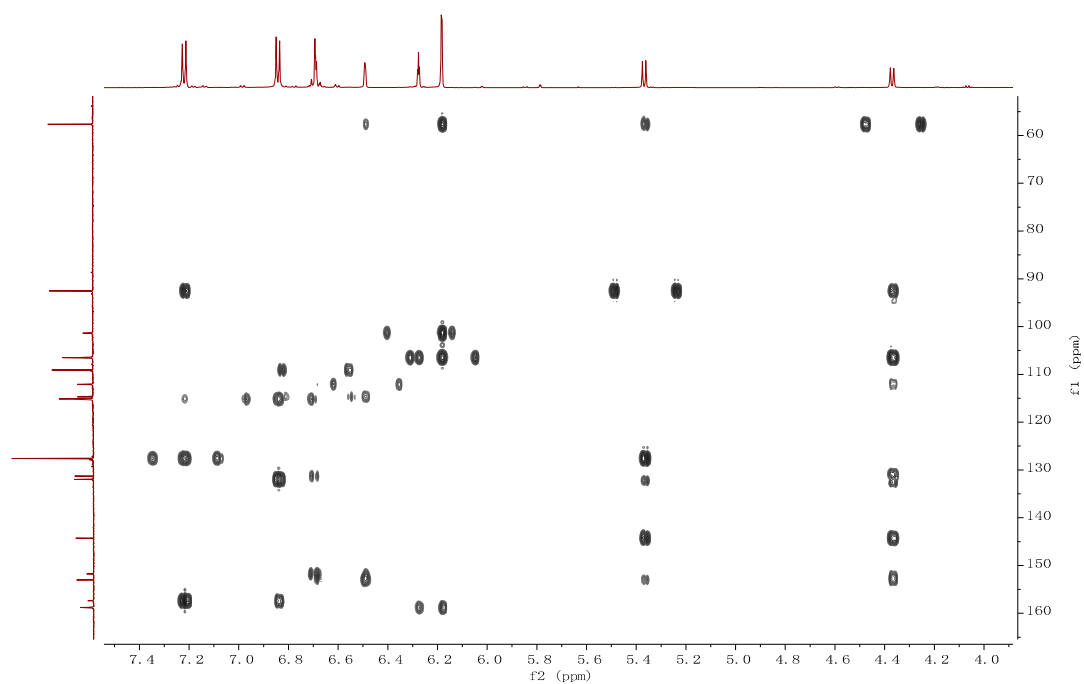
S23. HSQC spectrum of compound **5** in CD₃COCD₃.

PV-3.
Bruker AVIIIHD 600 20160505 HSQC Acetone



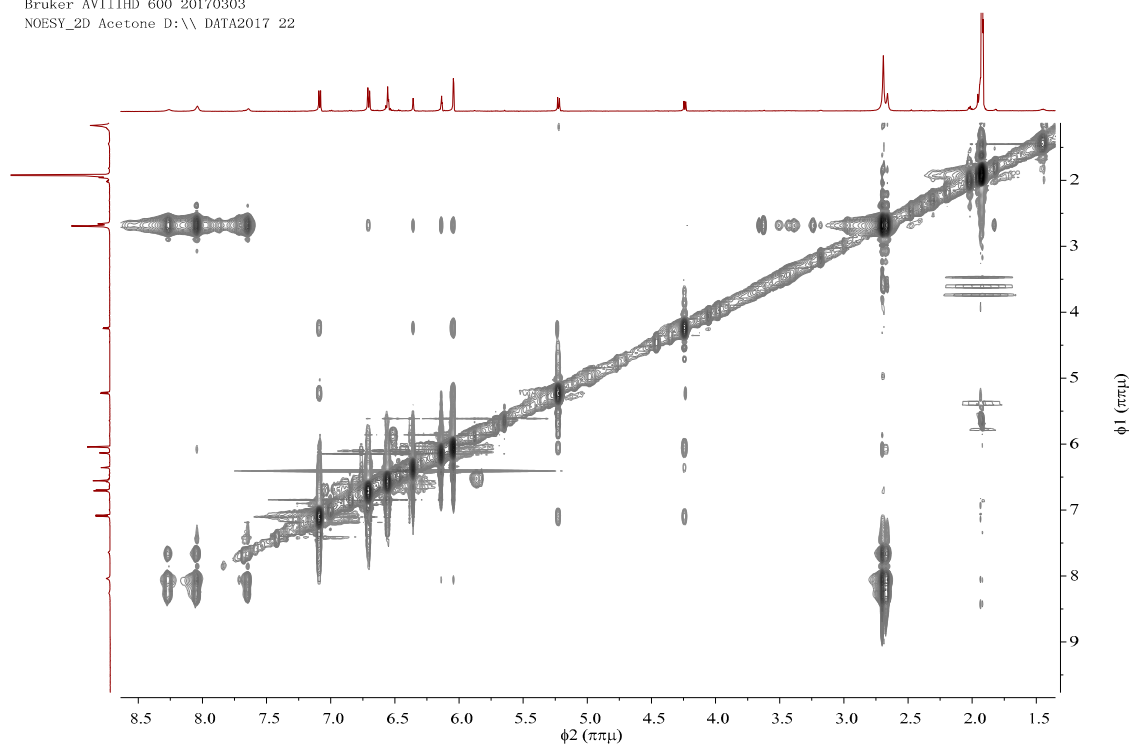
S24. HMBC spectrum of compound **5** in CD₃COCD₃.

PV-3.
Bruker AVIIIHD 600 20160505 HMBC Acetone



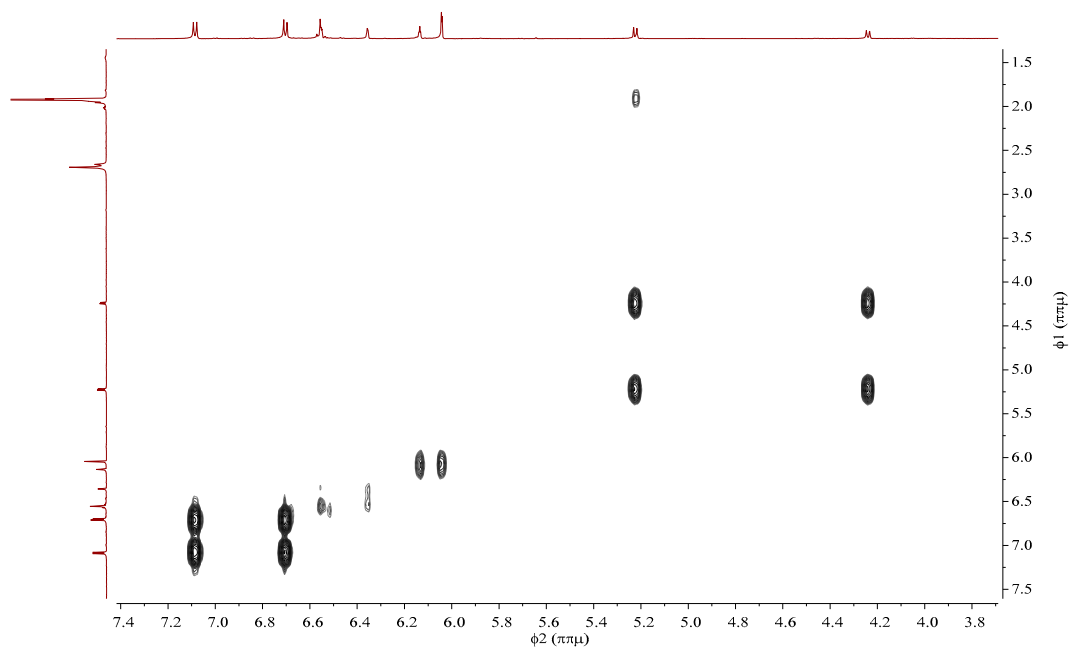
S25. NOESY spectrum of compound **5** in CD₃COCD₃.

PV-3 NOE COSY. 3. ser
 Bruker AVIIIHD 600 20170303
 NOESY_2D Acetone D:\ DATA2017 22

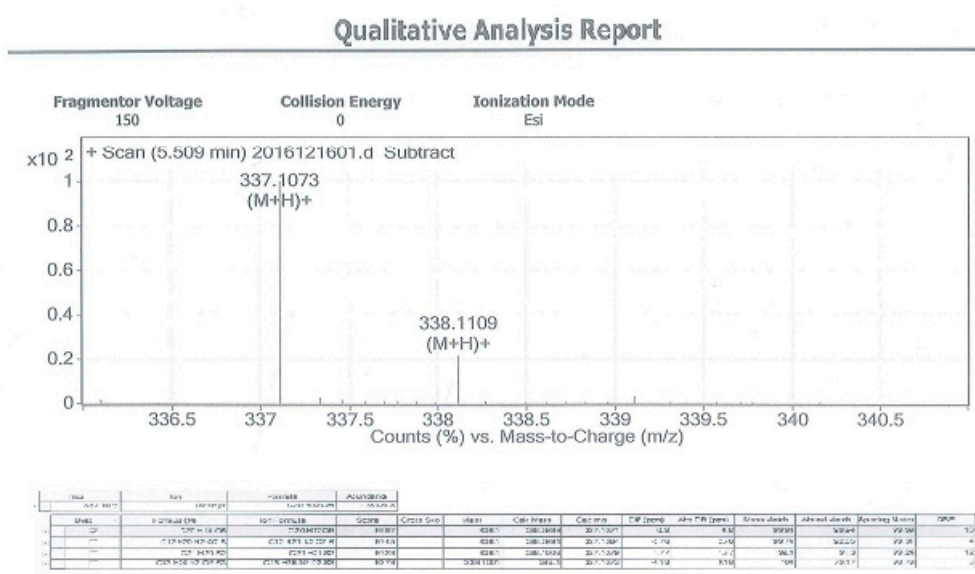


S26. COSY spectrum of compound **5** in CD₃COCD₃.

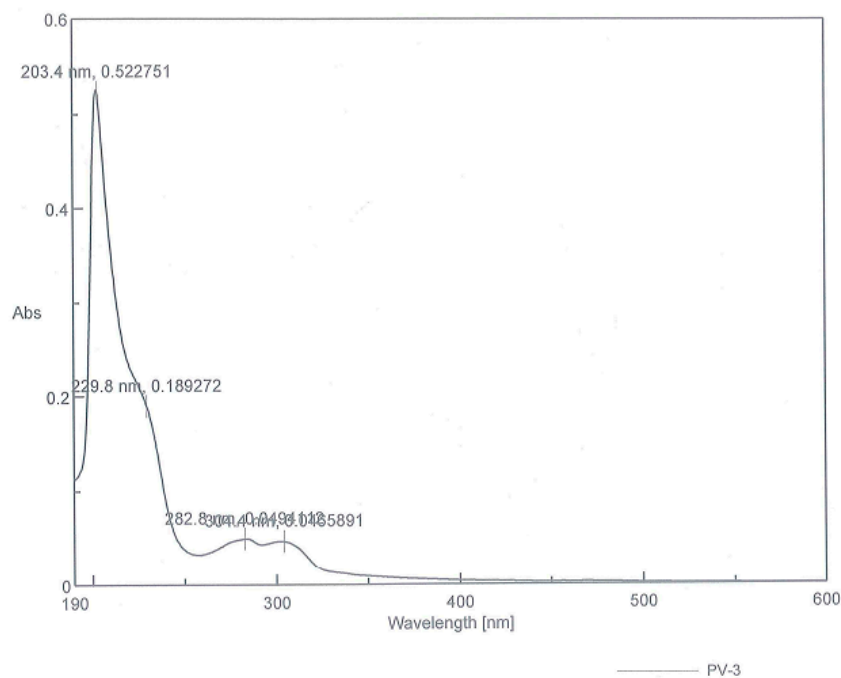
PV-3
 Bruker AVIIIHD 600
 COSY_CD3OD



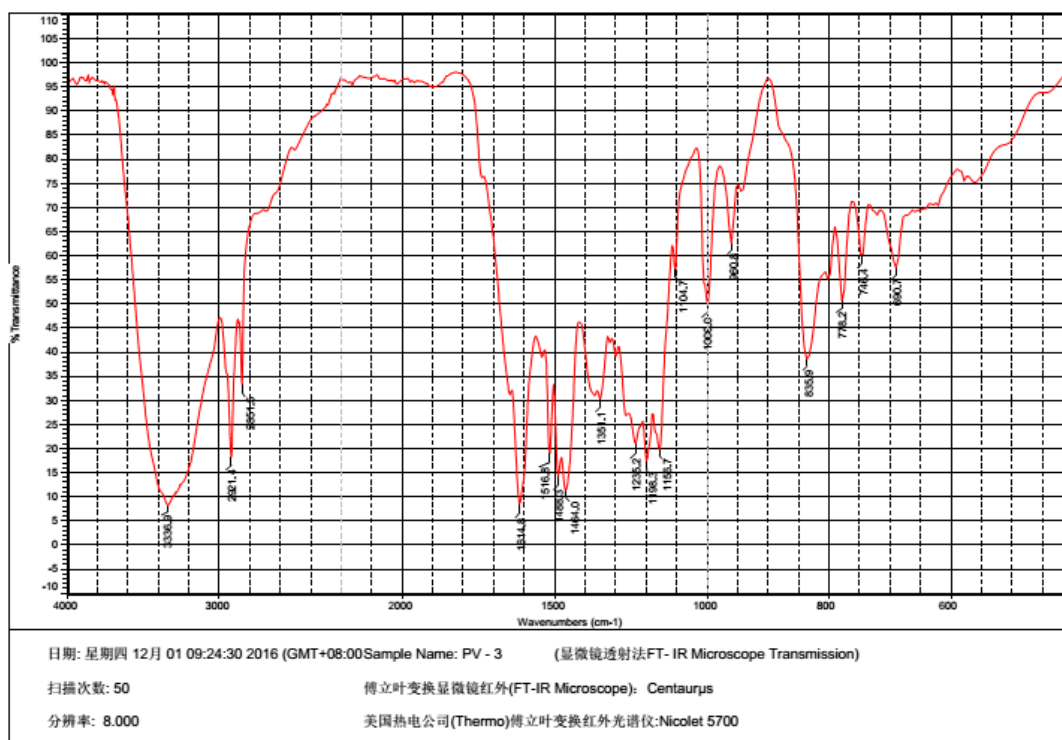
S27. HRESIMS spectrum of compound **5**.



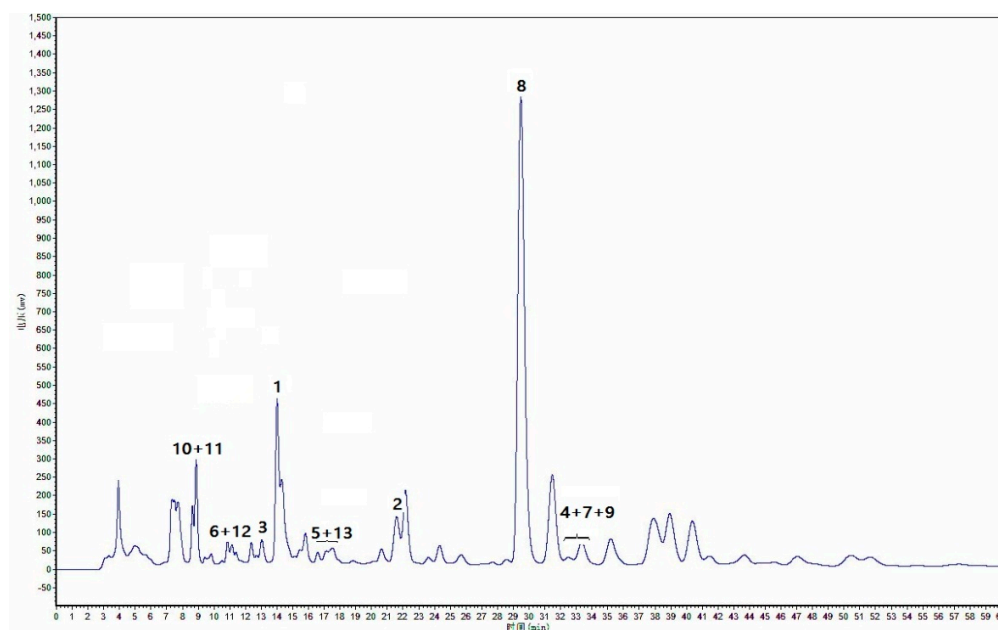
S28. UV spectrum of compound **5** in CH₃OH.



S29. IR spectrum of compound **5**.



S30. HPLC chromatogram of biotransformation products of **1** and **2**.



Analysis of biotransformation products of **1** and **2** catalyzed by HRP/H₂O₂.
(40% CH₃CN/H₂O, λ = 280 nm, 2 mL/min, YMC column packed with C18, 250 mm × 10 mm)