

Supplementary Materials: Potassium Hexacyanoferrate (III)-Catalyzed Dimerization of Hydroxystilbene: Biomimetic Synthesis of Indane Stilbene Dimers

Jing-Shan Xie, Jin Wen, Xian-Fen Wang, Jian-Qiao Zhang, Ji-Fa Zhang, Yu-Long Kang, You-Wei Hui, Wen-Sheng Zheng and Chun-Suo Yao

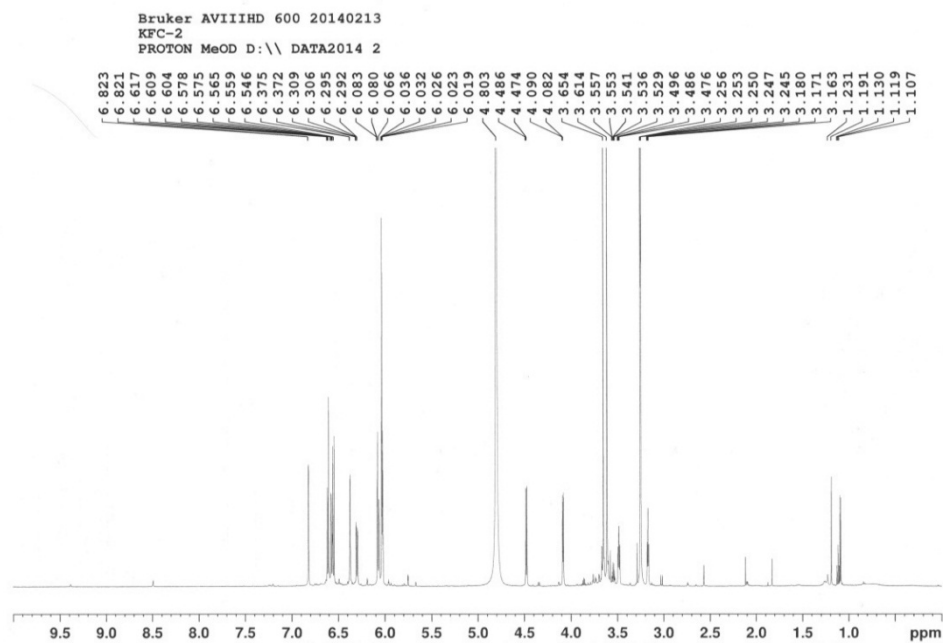


Figure S1. ¹H-NMR spectrum of compound (4) in CD₃OD.

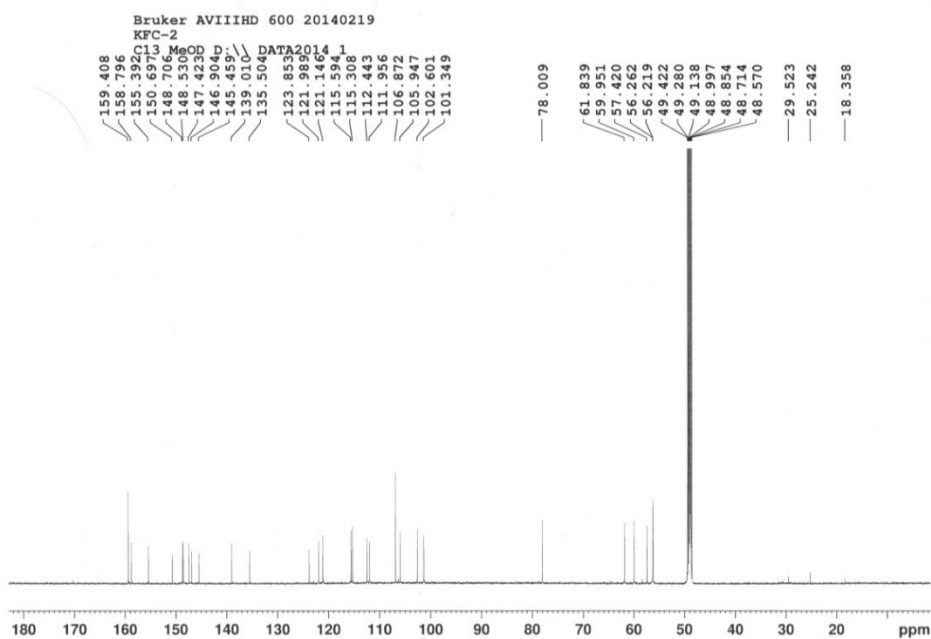


Figure S2. ¹³C-NMR spectrum of compound (4) in CD₃OD.



Bruker AVIIIHD 600 20140219
KFC-2 DEPT MeOD D:\ DATA2014 1

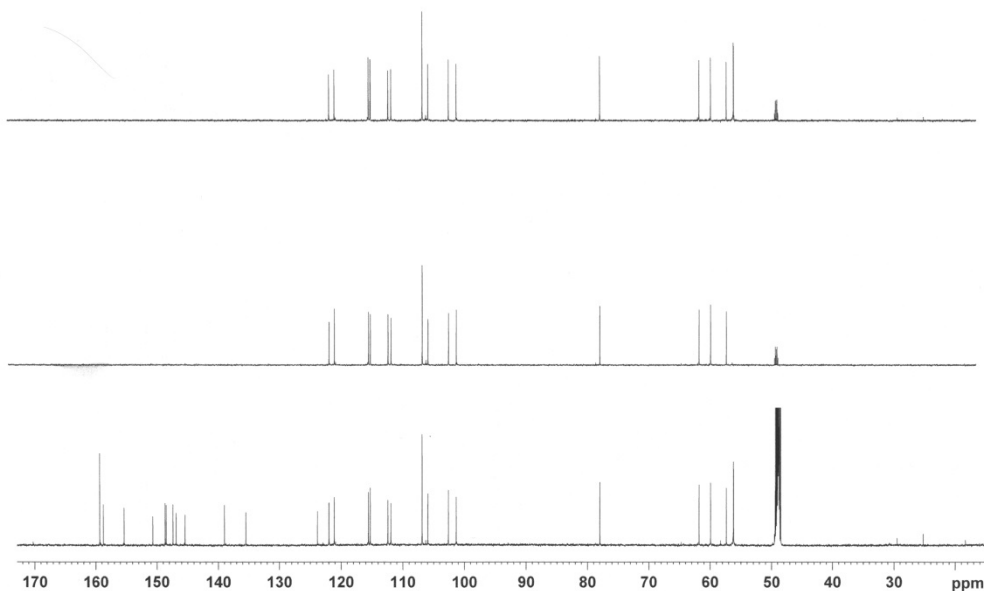


Figure S3. DEPT spectrum of compound (4) in CD₃OD.

Bruker AVIIIHD 600 20140313
KFC-2
{H-H COSY} MeOD D:\ DATA2014 17

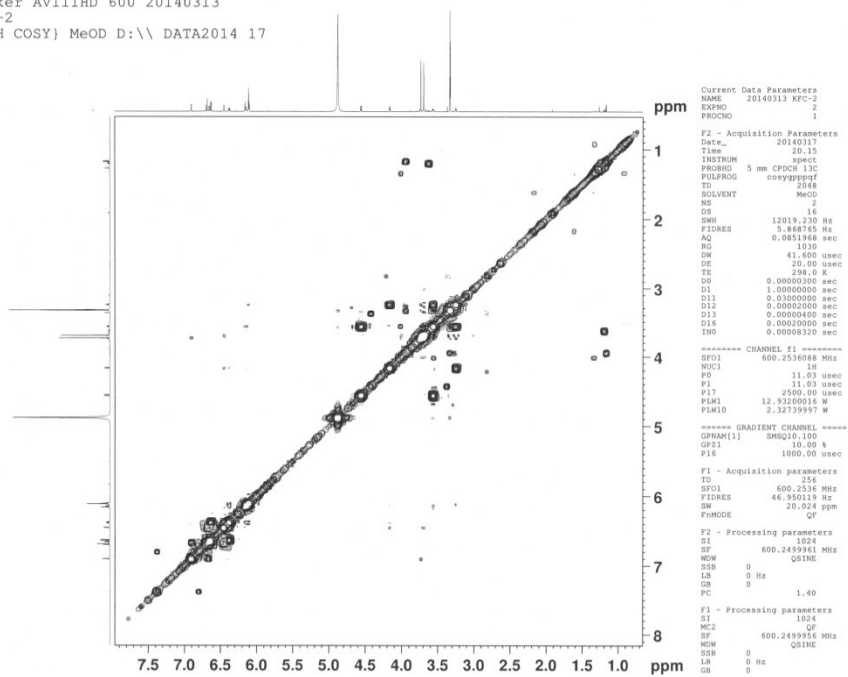


Figure S4. COSY spectrum of compound (4) in CD₃OD.

Bruker AVIIIHD 600 20140313
KFC-2
HSQC MeOD D:\ DATA2014 17

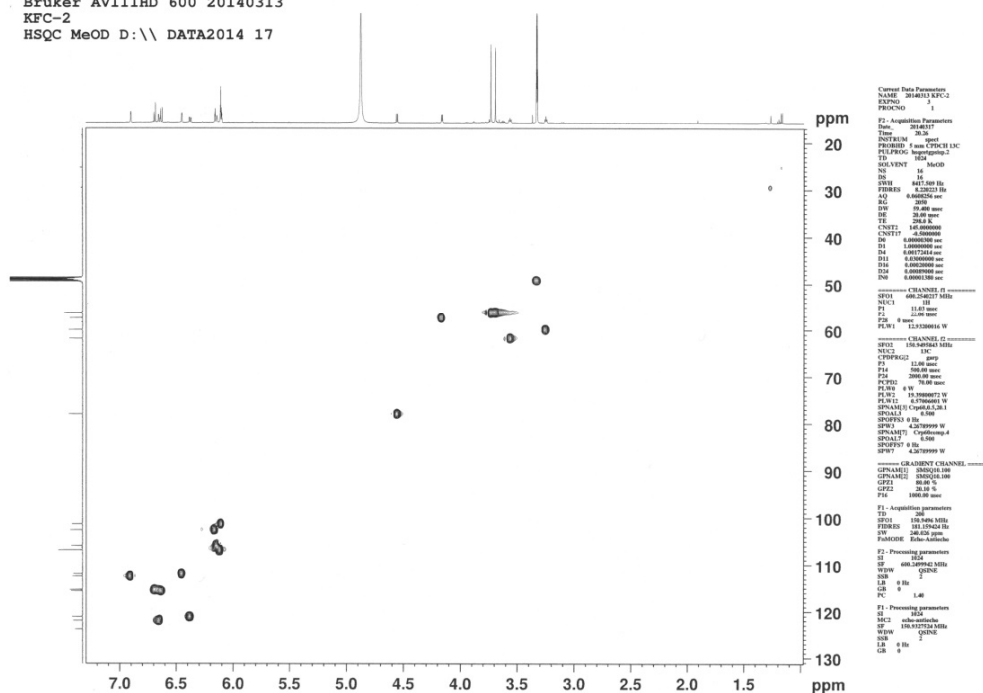


Figure S5. HSQC spectrum of compound (4) in CD₃OD.

Bruker AVIIIHD 600 20140313
KFC-2
(HMBC etgpl3nd) MeOD D:\ DATA2014 17

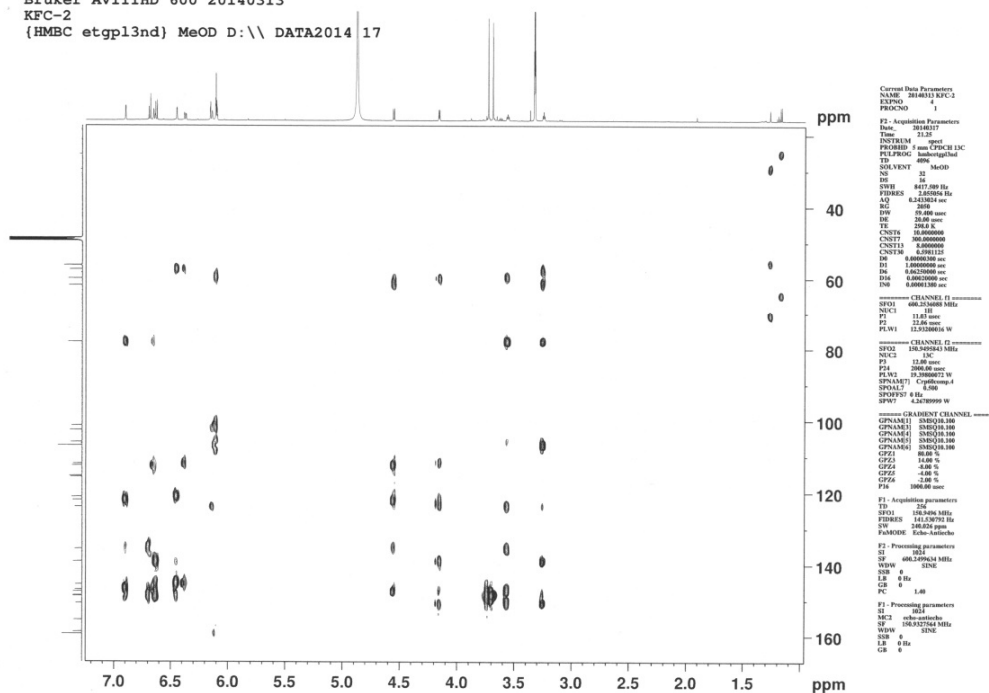


Figure S6. HMBC spectrum of compound (4) in CD₃OD.

Bruker AVIIIHD 600 20140219
 KFC-2
 NOESY_2D MeOD D:\ DATA2014 1

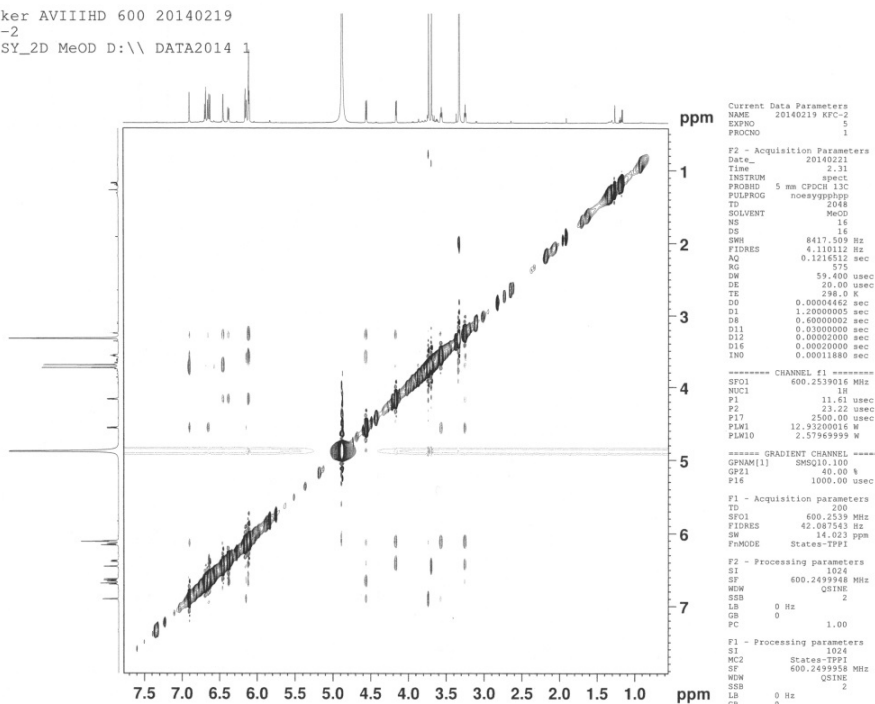


Figure S7. NOESY spectrum of compound (4) in CD₃OD.

Qualitative Analysis Report

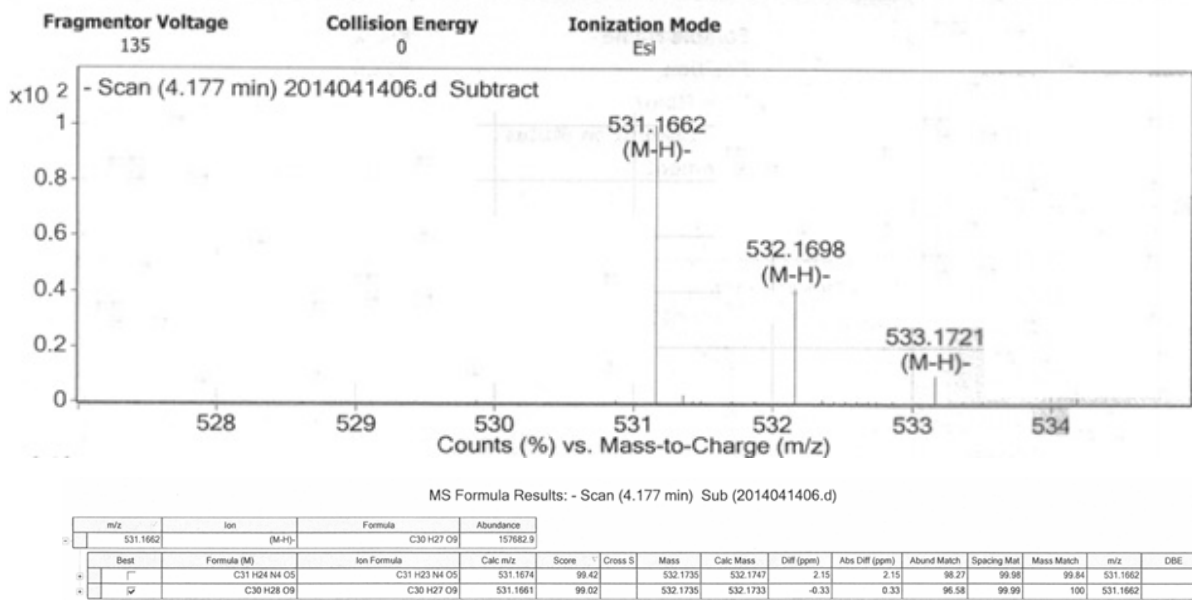


Figure S8. HRMS spectrum of compound (4).

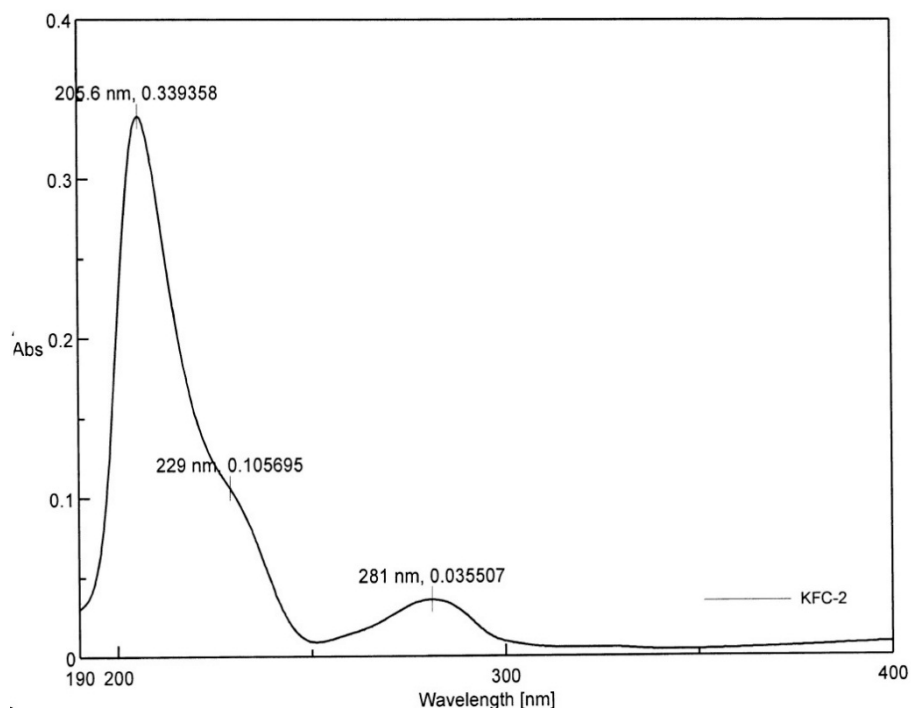


Figure S9. UV spectrum of compound (4) in CH₃OH.

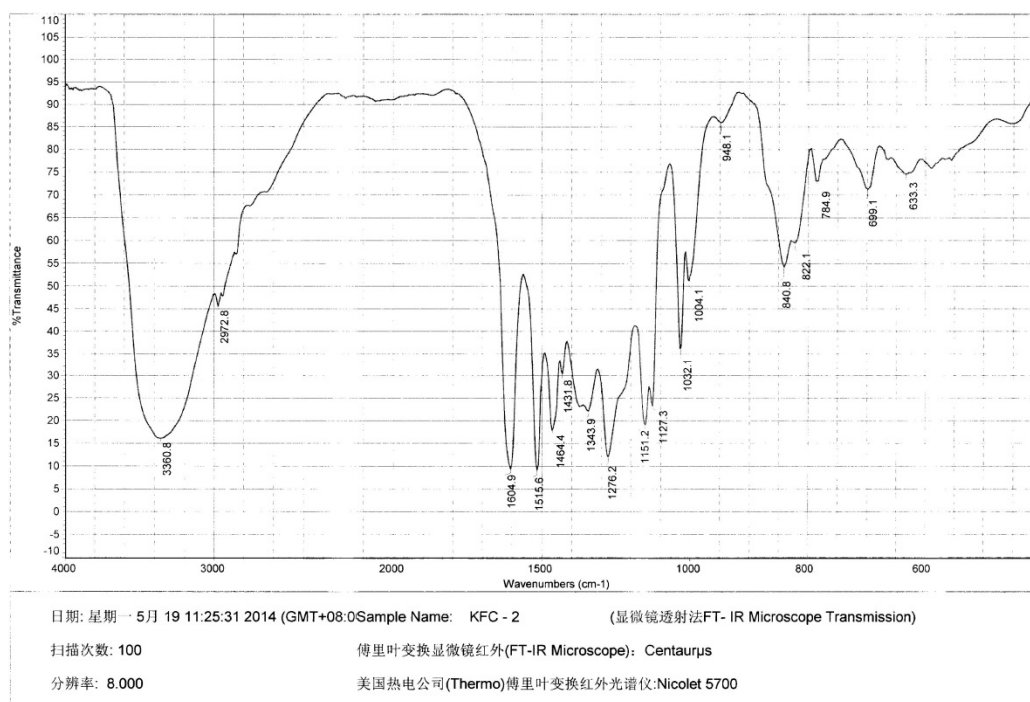


Figure S10. IR spectrum of compound (4).

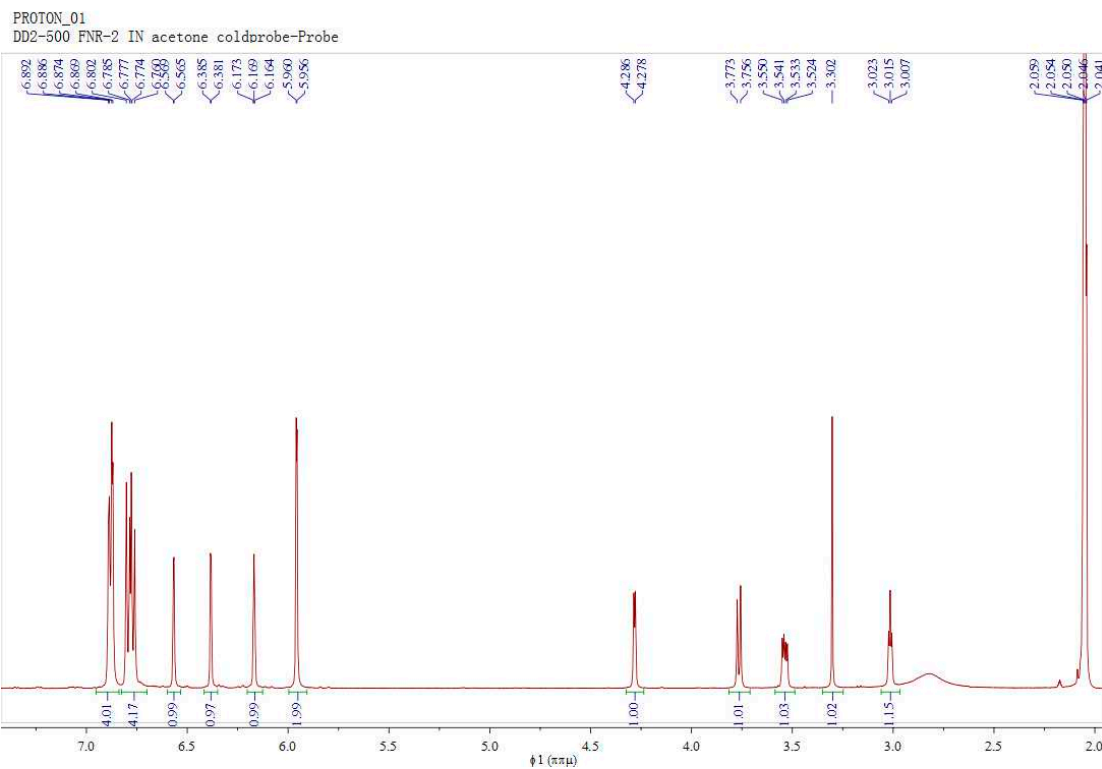


Figure S11. ^1H -NMR spectrum of compound (6) in CD_3COCD_3 .

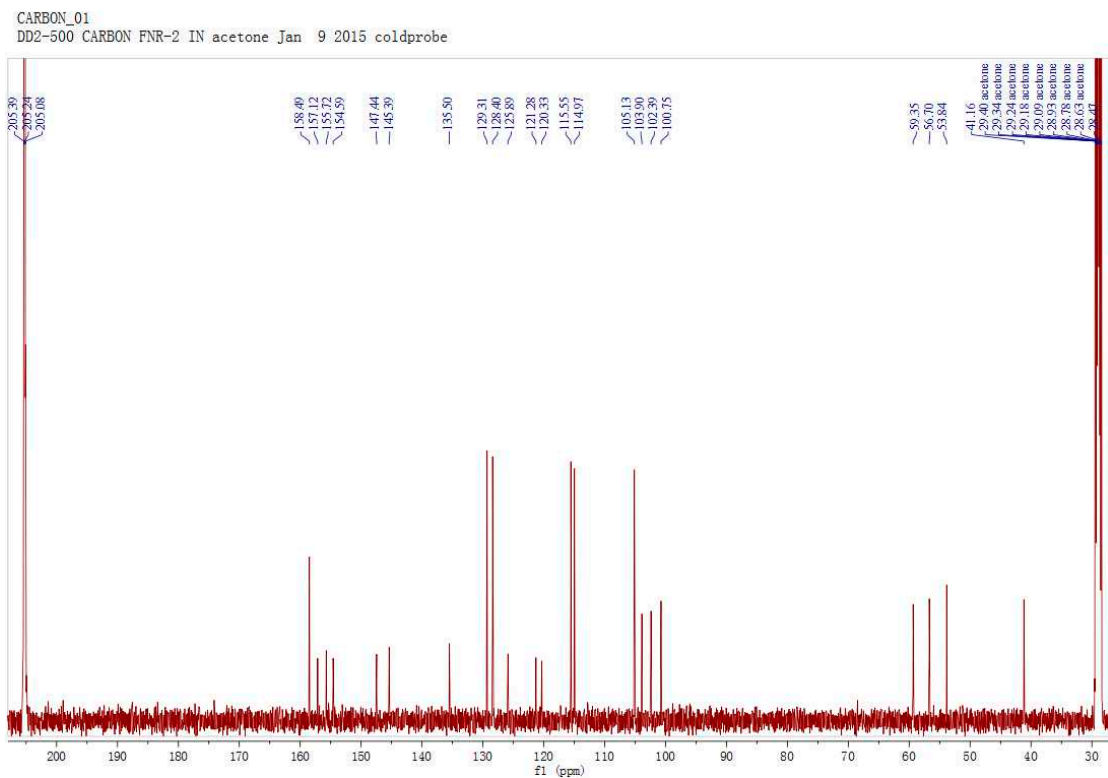


Figure S12. ^{13}C -NMR spectrum of compound (6) in CD_3COCD_3 .

DEPT_01
DD2-500 DEPT FNR-2 IN acetone Jan 9 2015 coldprobe

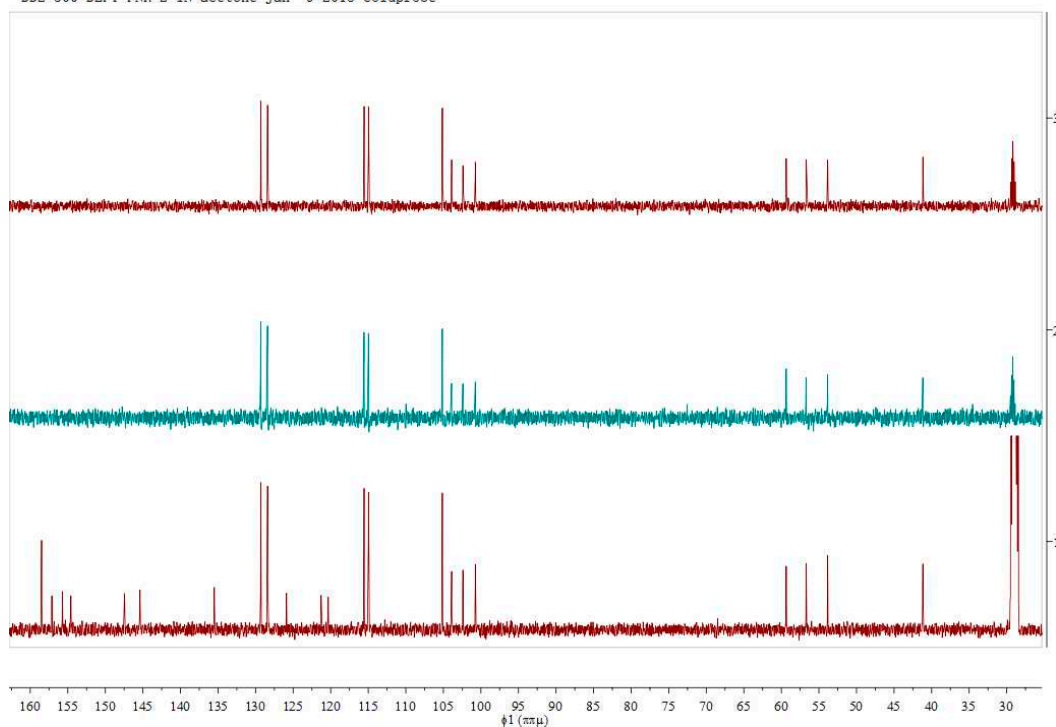


Figure S13. DEPT spectrum of compound (6) in CD₃COCD₃.

gHSQCAD_01
DD2-500 gHSQCAD FNR-2 IN acetone Mar 24 2015 coldprobe

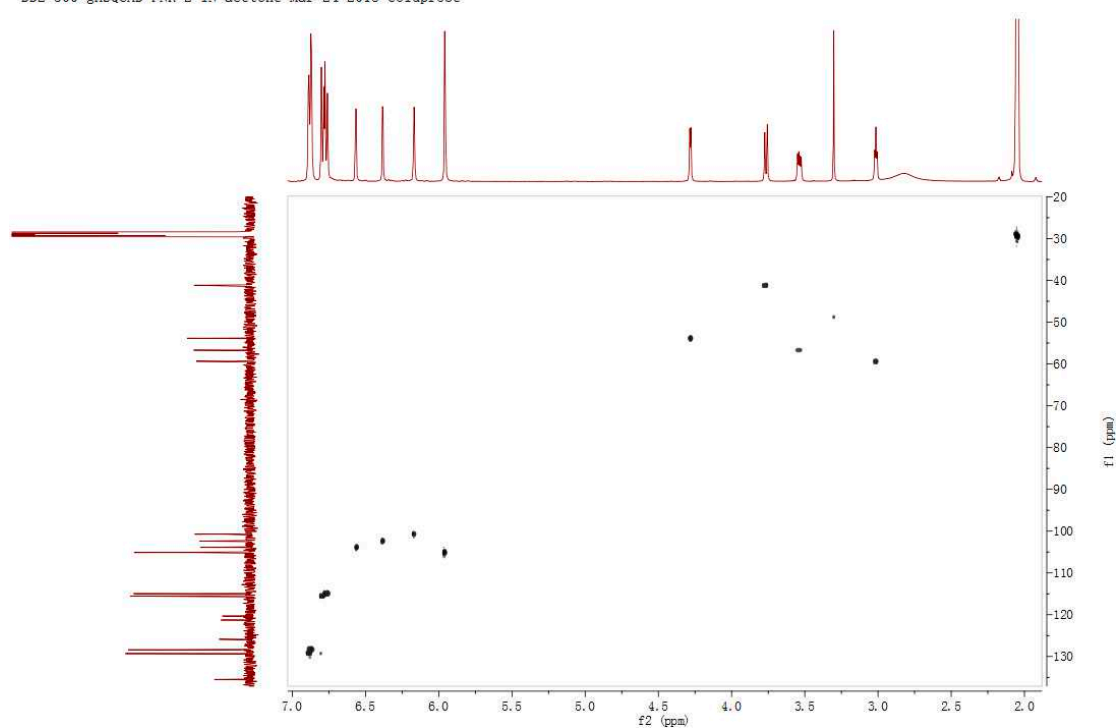


Figure S14. HSQC spectrum of compound (6) in CD₃COCD₃.

gHBCAD_02
DD2-500 FNR-2 IN acetone coldprobe-Probe

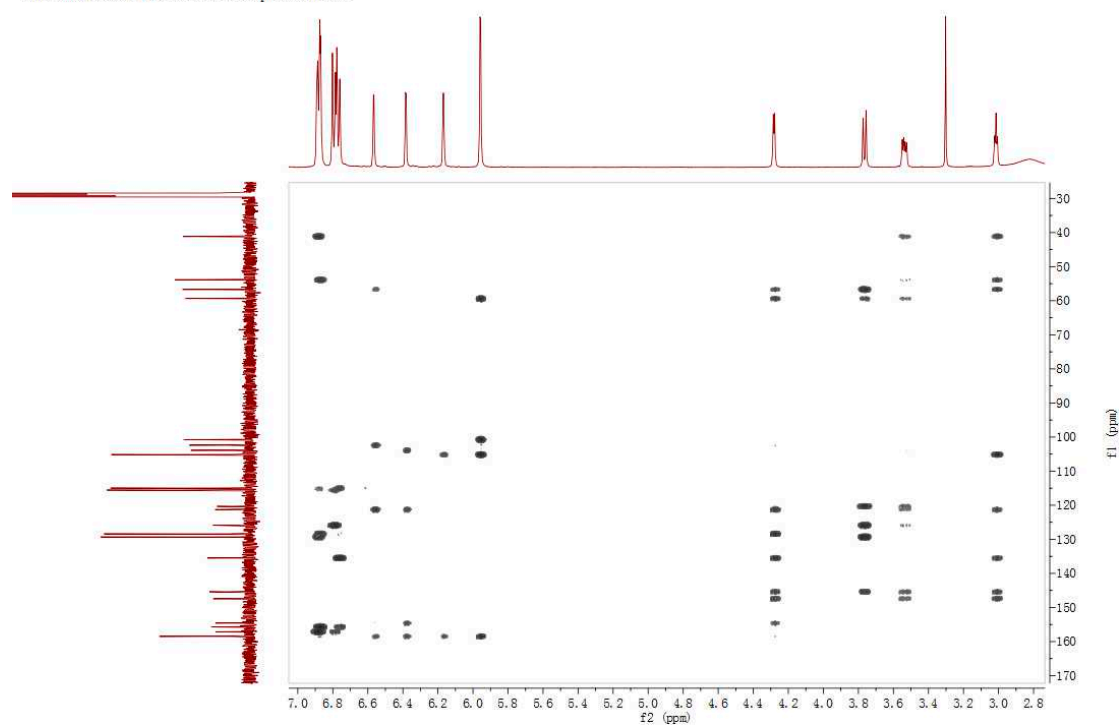


Figure S15. HMBC spectrum of compound (6) in CD_3COCD_3 .

NOESY_02
DD2-500 NOESY FNR-2 IN acetone Jan 23 2015 coldprobe

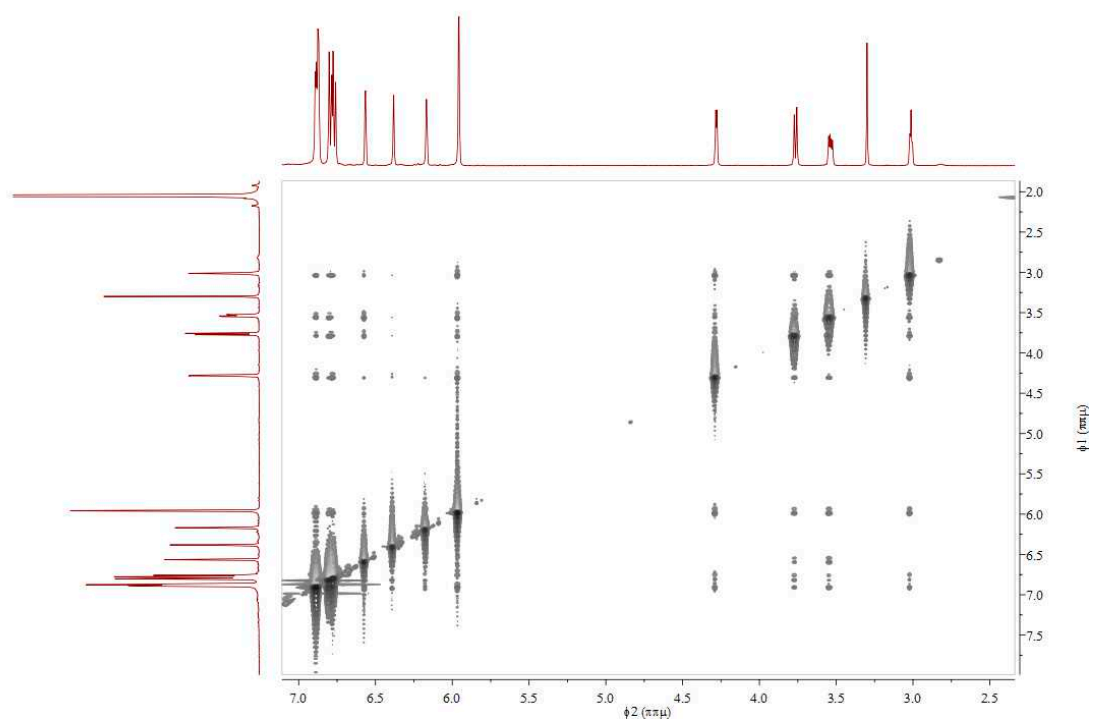


Figure S16. NOESY spectrum of compound (6) in CD_3COCD_3 .

日期:2015-08-05
仪器:API-TOFMS 10000 广州禾信分析仪器有限公司
时间:

用户单位名称:中国医学科学院药物研究所
样品名称:FNR-2
离子模式:Positive

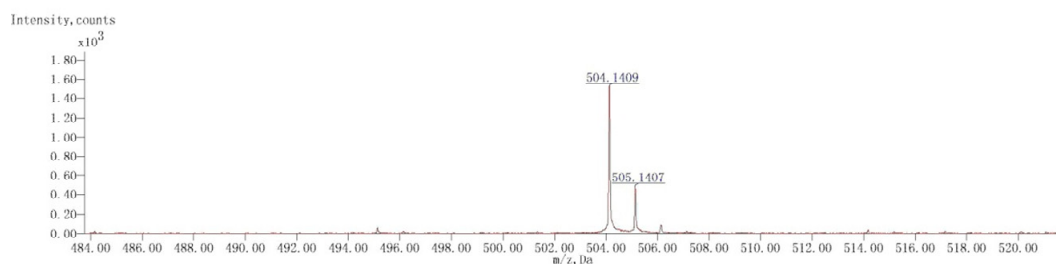


Figure S17. HRESIMS spectrum of compound (6).

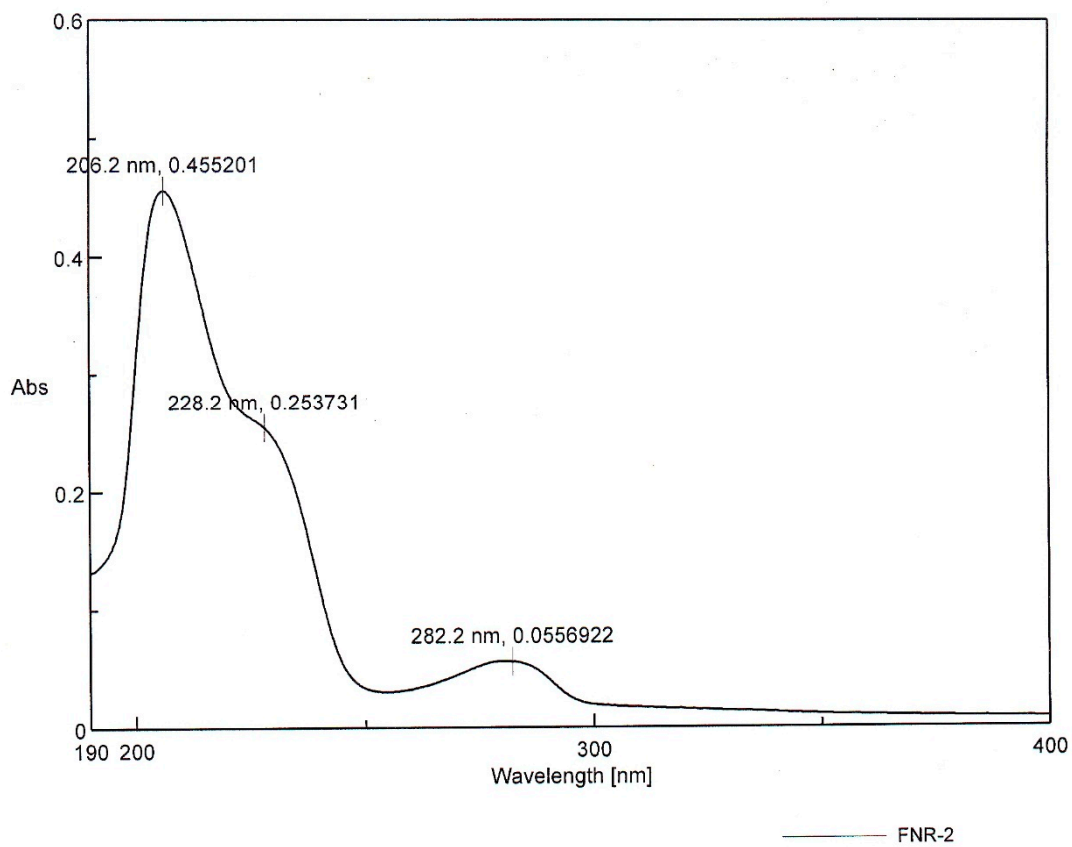


Figure S18. UV spectrum of compound (6) in CH₃OH.

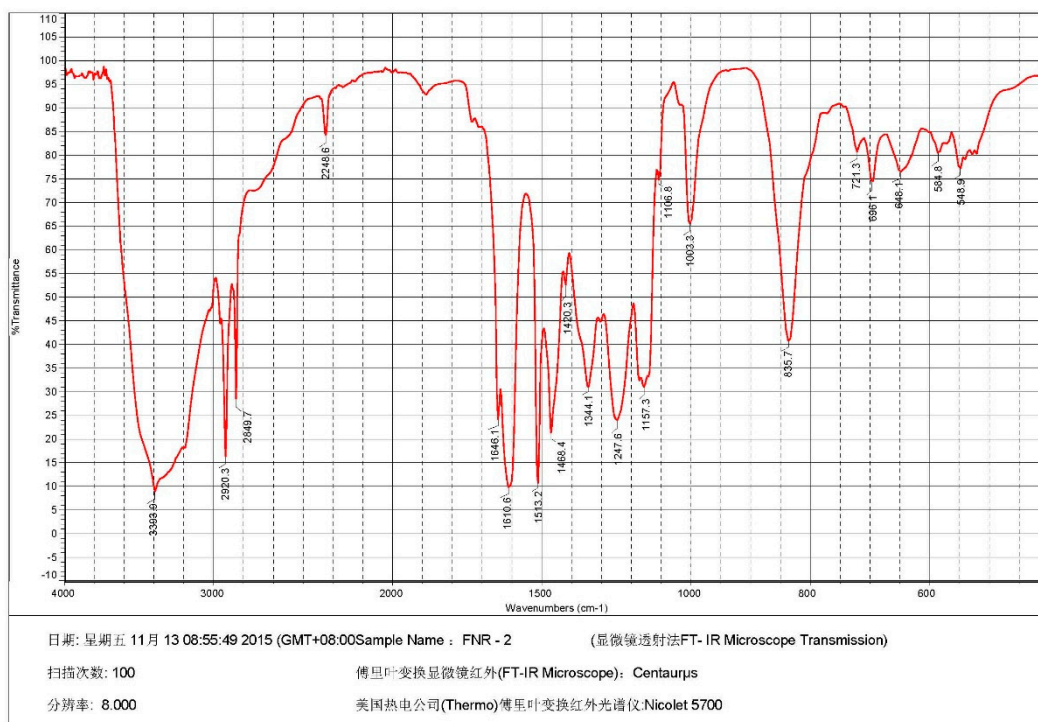


Figure S19. IR spectrum of compound (6).

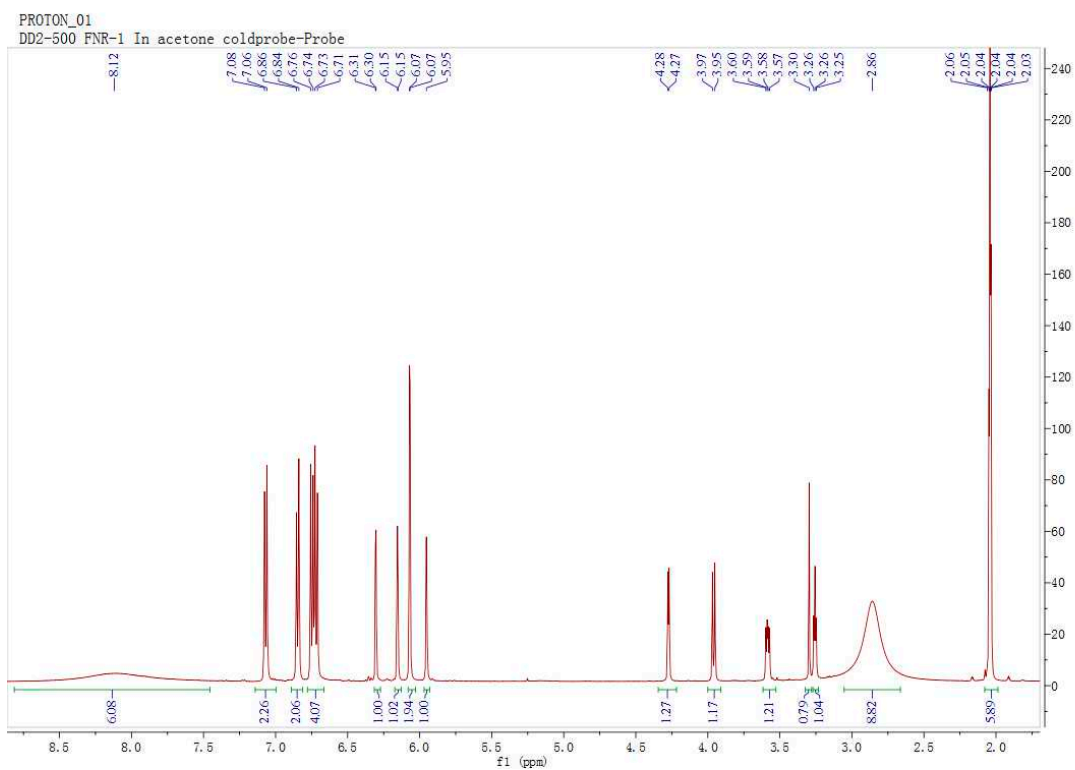


Figure S20. $^1\text{H-NMR}$ spectrum of compound (7) in CD_3COCD_3 .

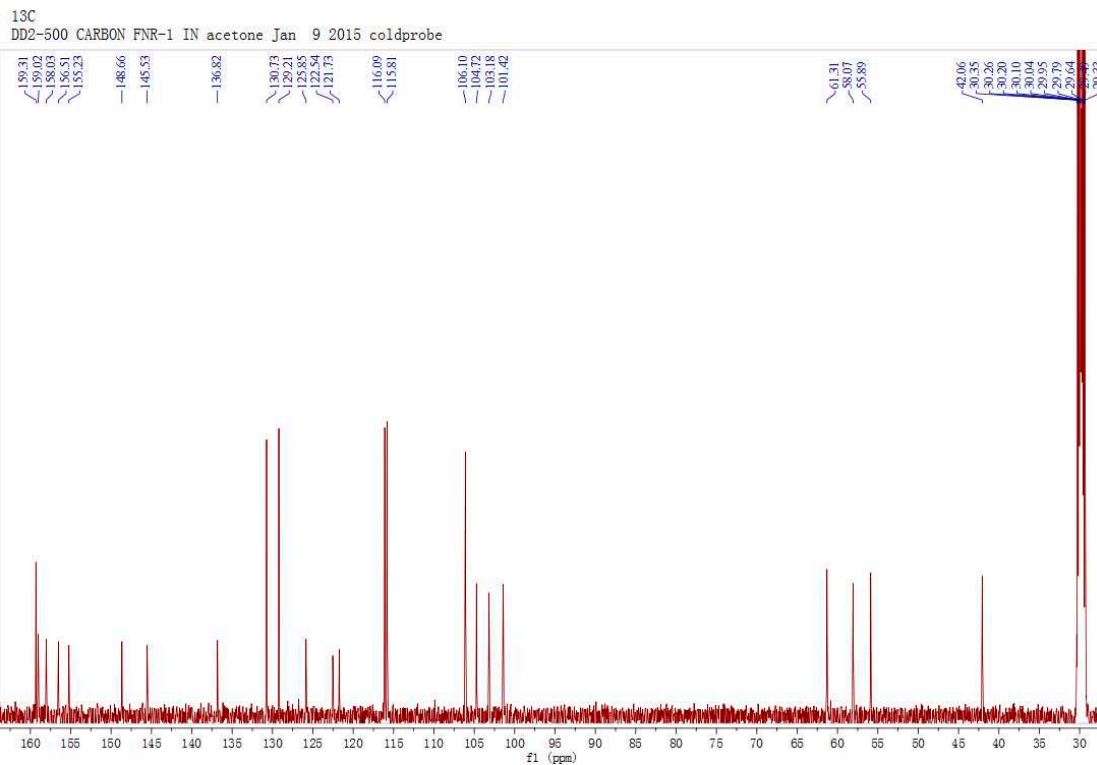


Figure S21. ^{13}C -NMR spectrum of compound (7) in CD_3COCD_3 .

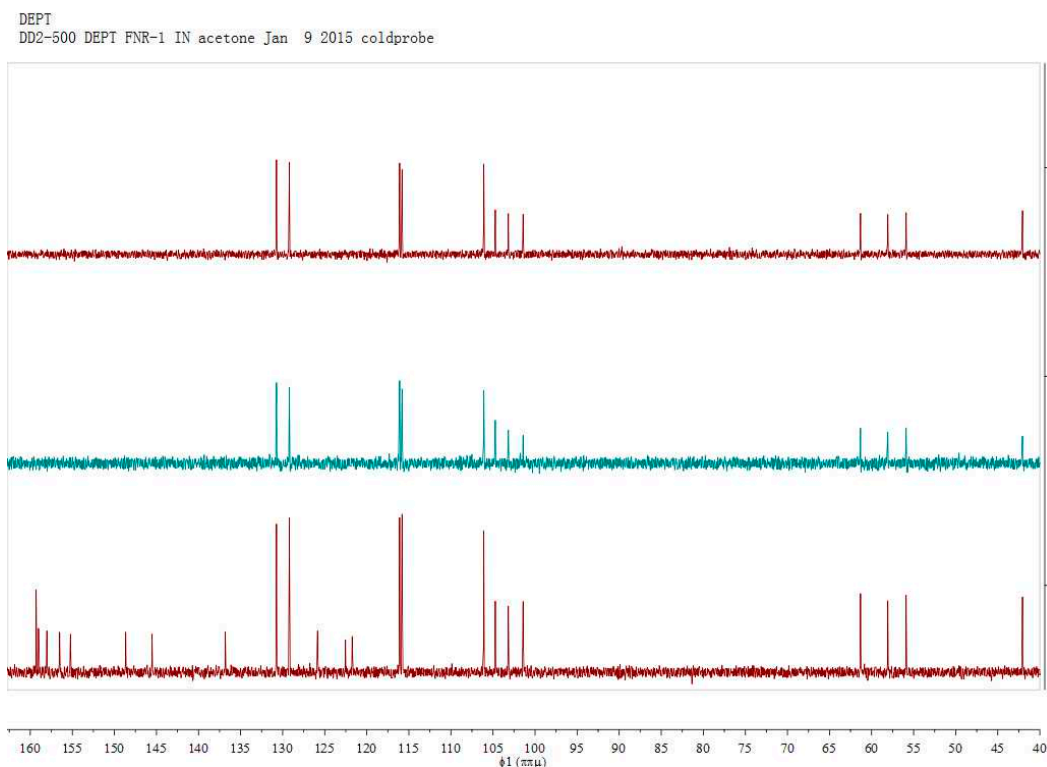


Figure S22. DEPT spectrum of compound (7) in CD_3COCD_3 .

gHSQCAD_01
DD2-500 gHSQCAD FNR-1 IN acetone Mar 26 2015 coldprobe

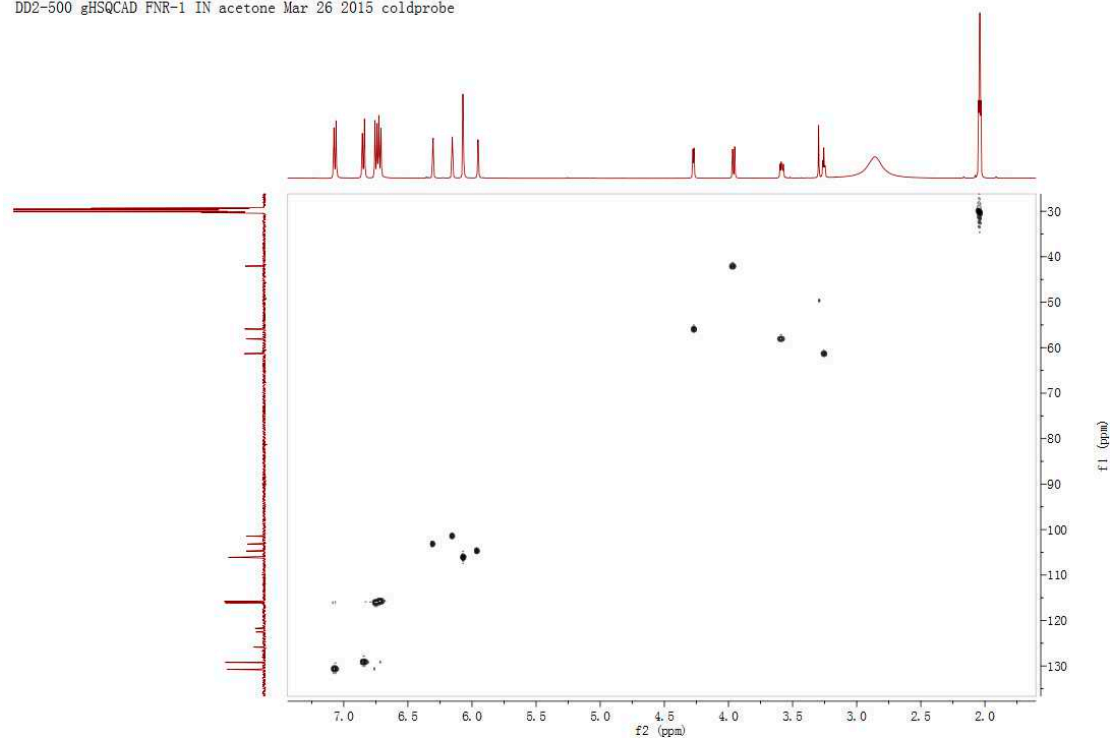


Figure S23. HSQC spectrum of compound (7) in CD₃COCD₃.

gHMBCAD_01
DD2-500 FNR-1 IN acetone coldprobe-Probe

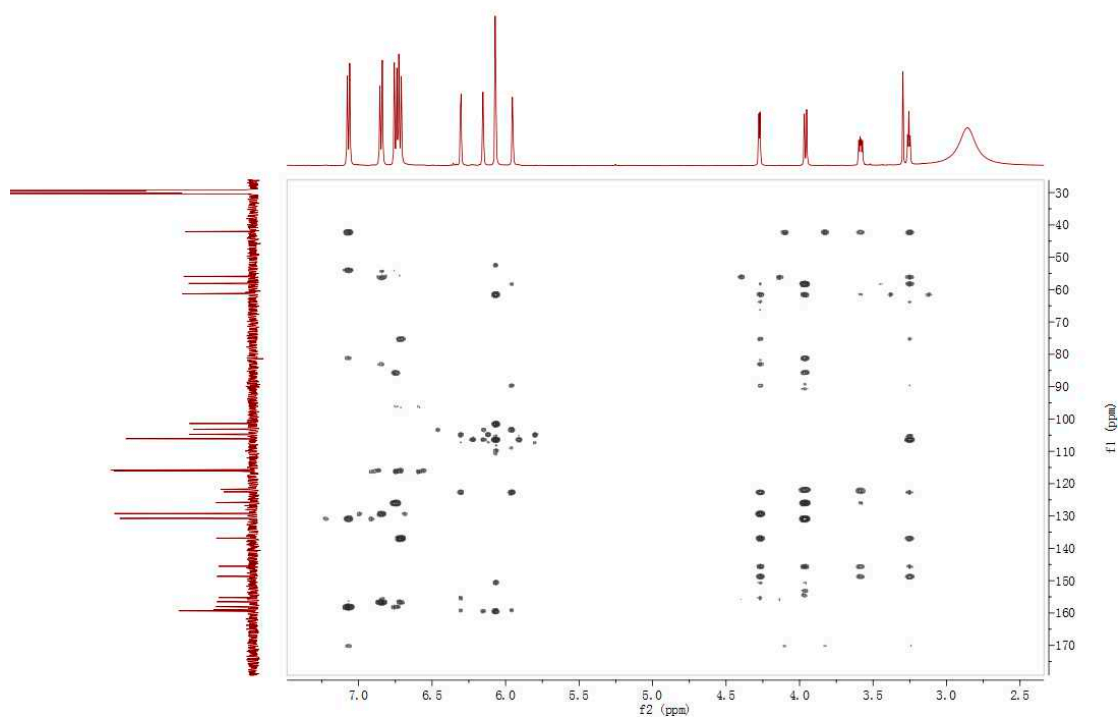


Figure S24. HMBC spectrum of compound (7) in CD₃COCD₃.

NOESY_01
DD2-500 FNR-1 IN acetone coldprobe-Probe

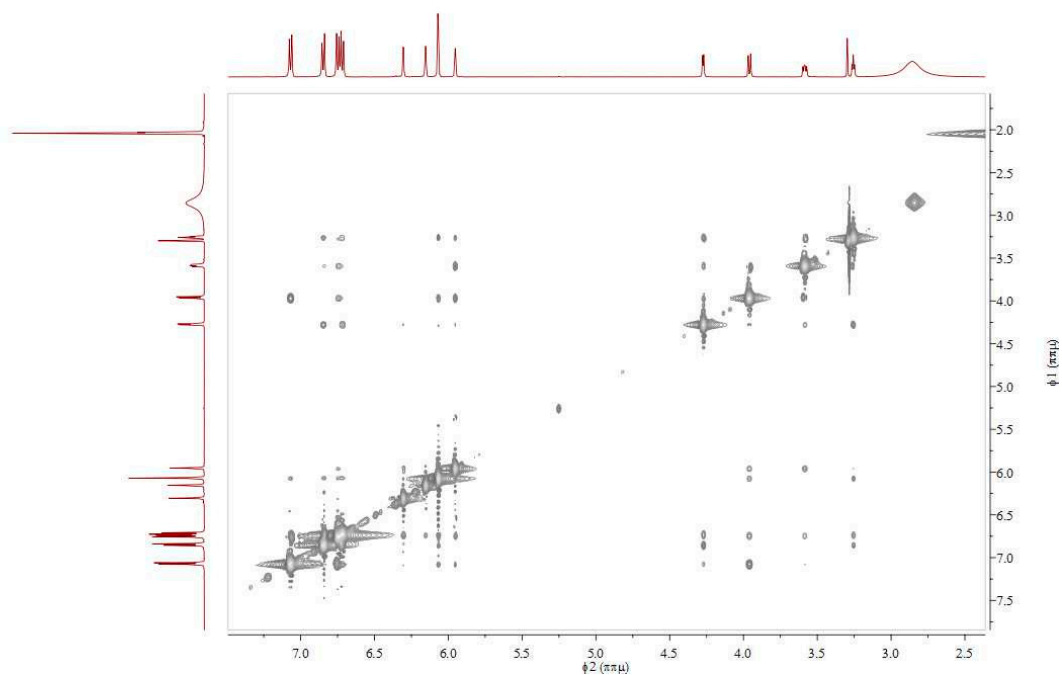


Figure S25. NOESY spectrum of compound (7) in CD_3COCD_3 .

日期:2015-08-05
仪器:API-TOFMS 10000 广州禾信分析仪器有限公司
时间:

用户单位名称:中国医学科学院药物研究所
样品名称:FNR-1
离子模式:Positive

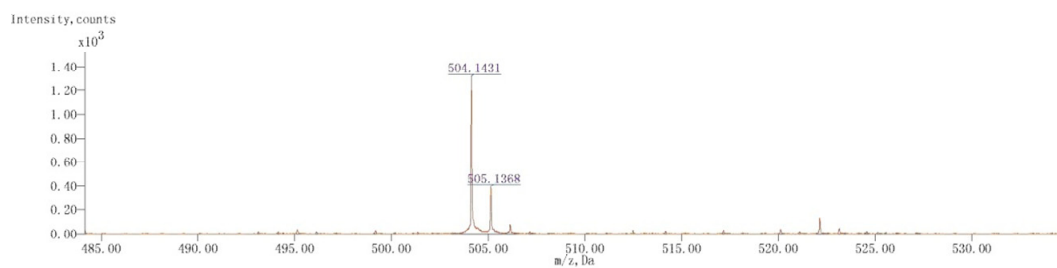


Figure S26. HRESIMS spectrum of compound (7).

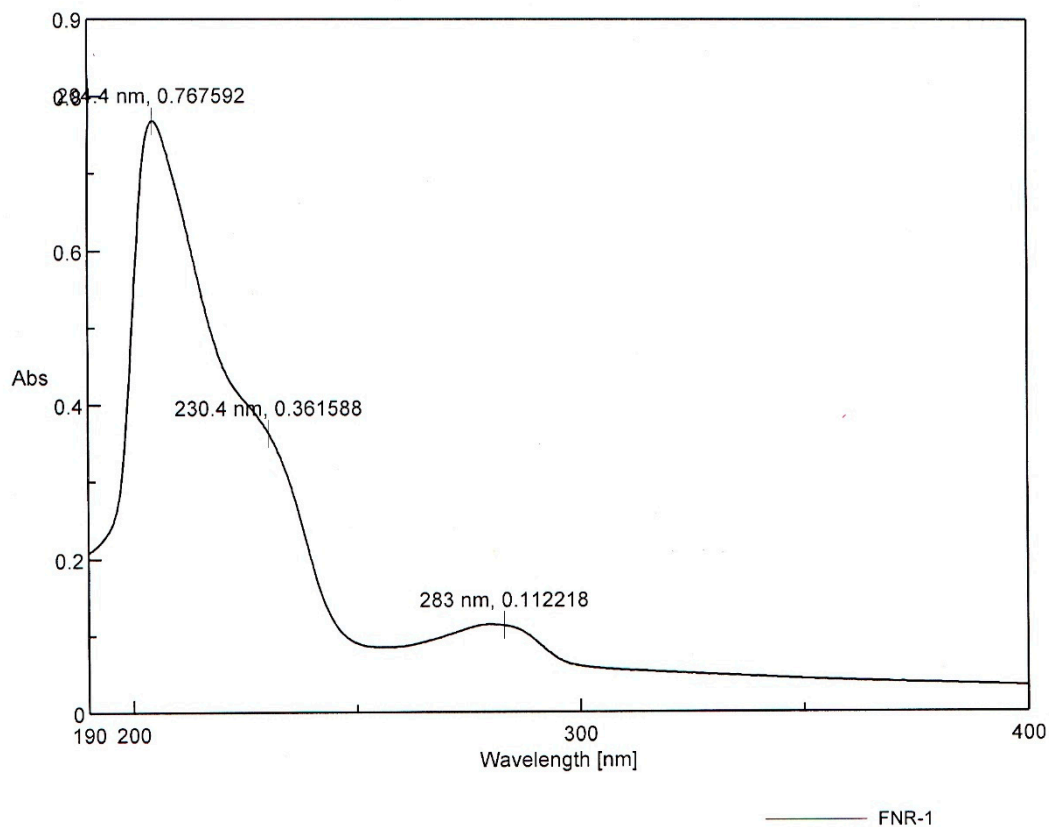


Figure S27. UV spectrum of compound (7) in CH₃OH.

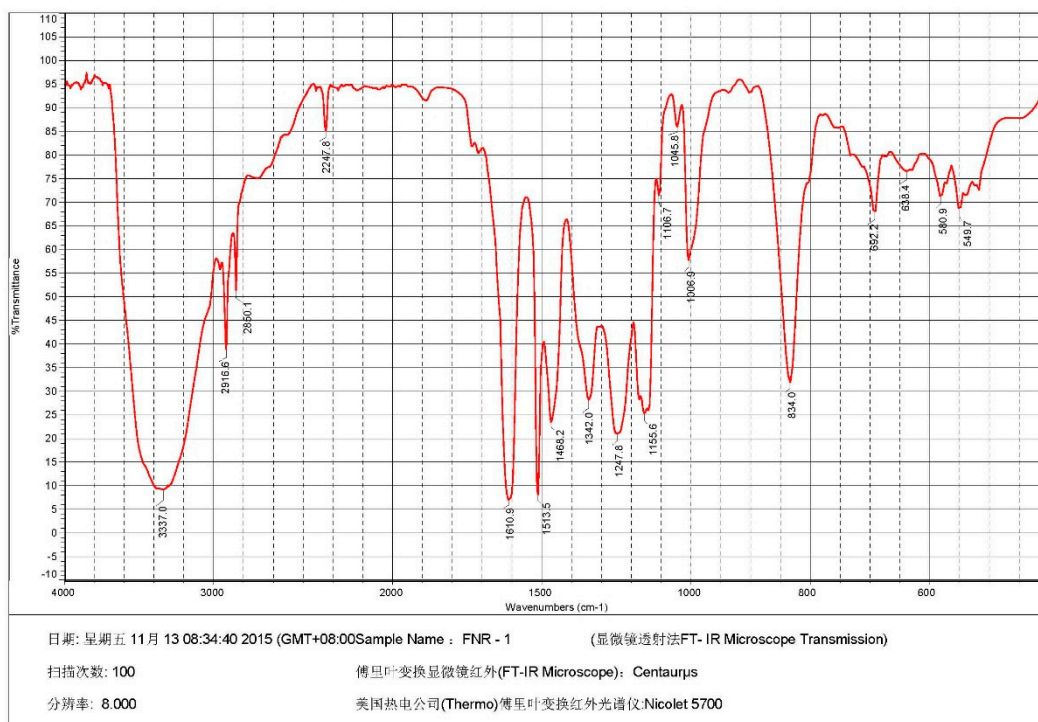


Figure S28. IR spectrum of compound (7).