

Supporting Information

Metabolites from the Fungal Endophyte *Aspergillus austroafricanus* in Axenic Culture and in Fungal-Bacterial Mixed Cultures

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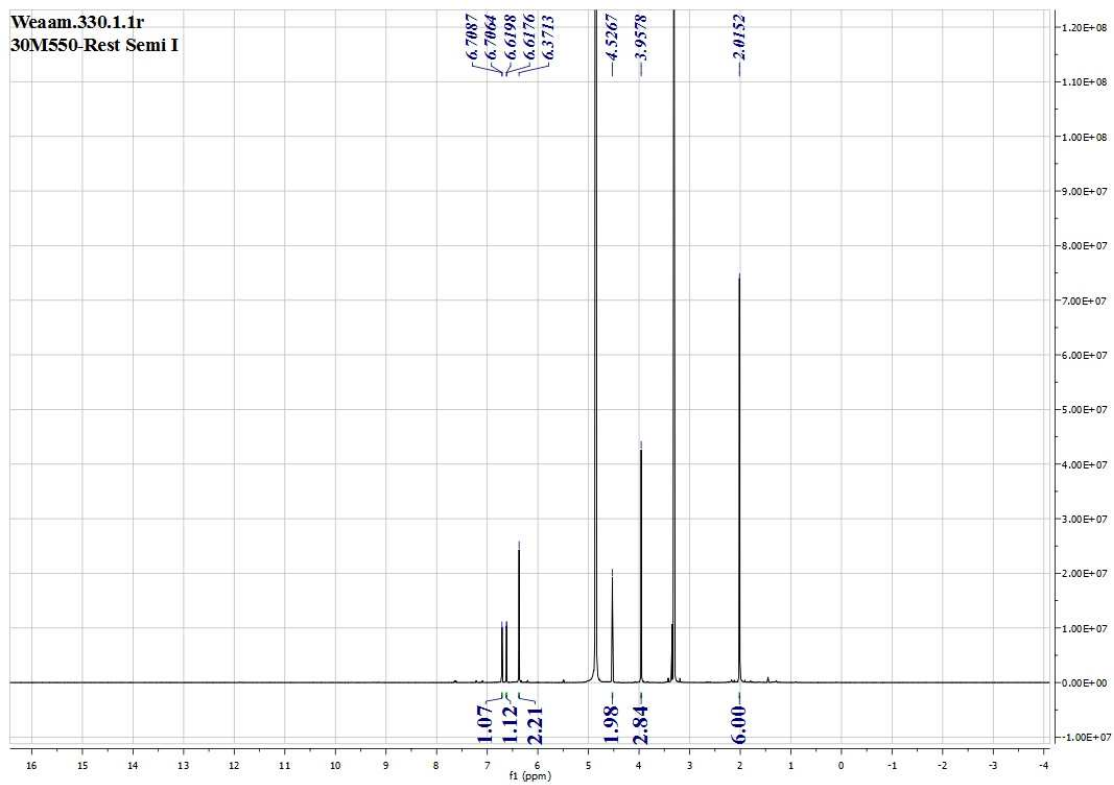
E-mail addresses: weaam.ebrahim@uni-duesseldorf.de (W.E.), georgios.daletos@uni-duesseldorf.de (G.D.), proksch@uni-duesseldorf.de (P.P.).

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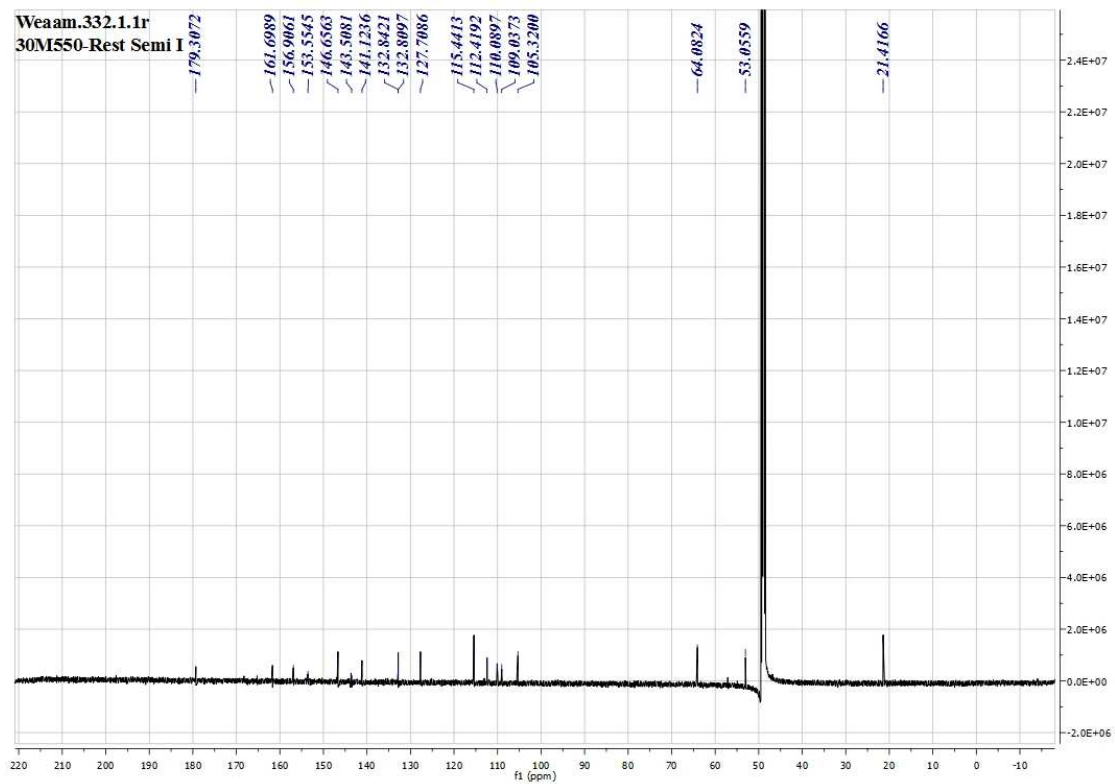
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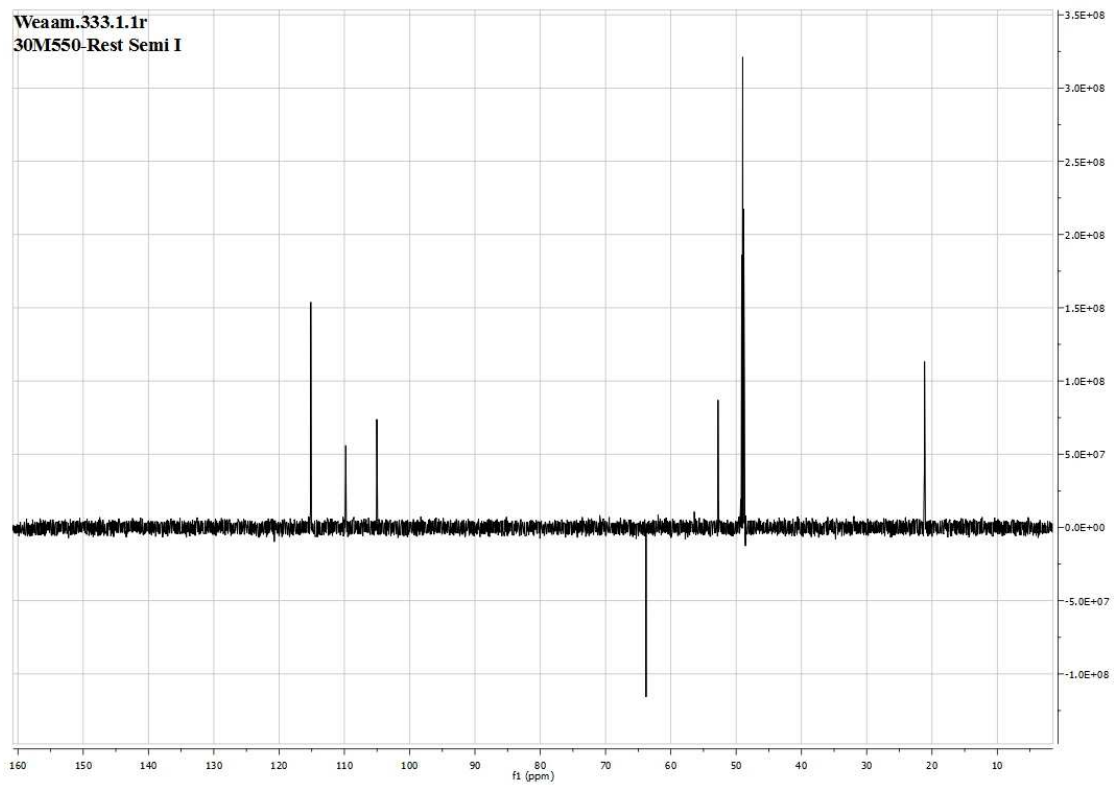
S1. ^1H NMR spectrum of compound (1) in $\text{MeOH-}d_4$



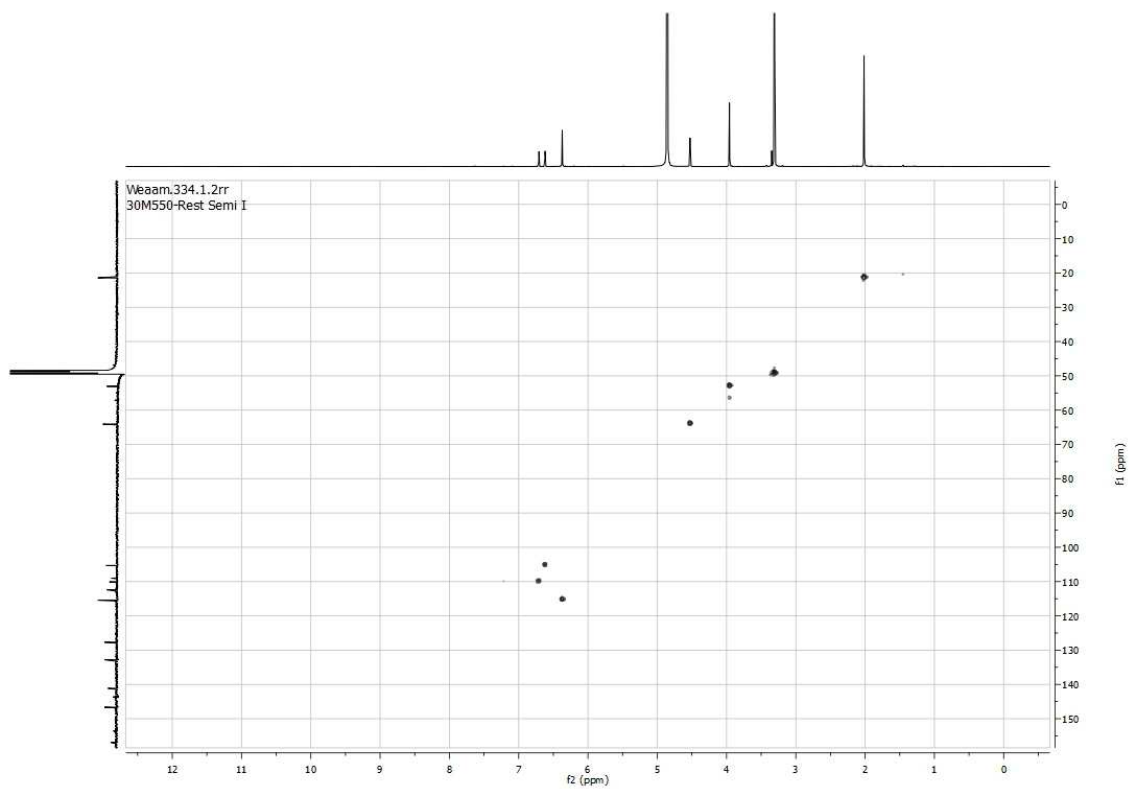
S2. ^{13}C NMR spectrum of compound (1) in $\text{MeOH-}d_4$



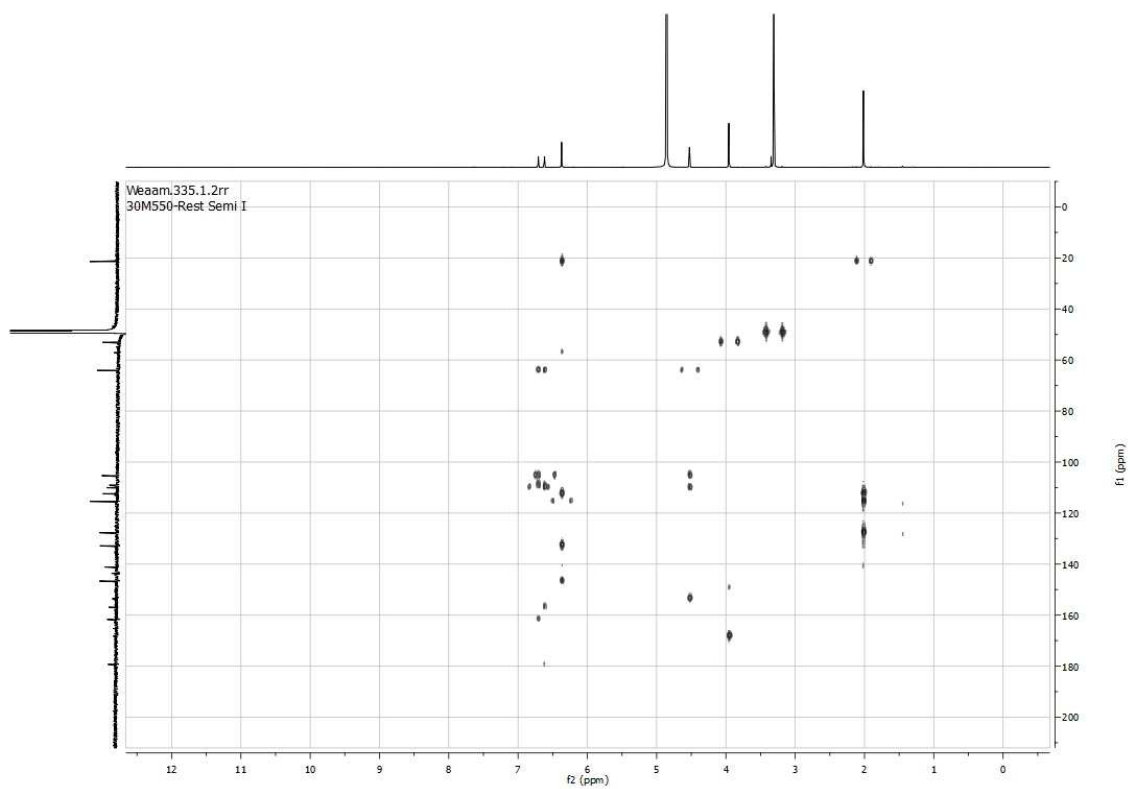
S3. DEPT experiment of (1) in MeOH- d_4



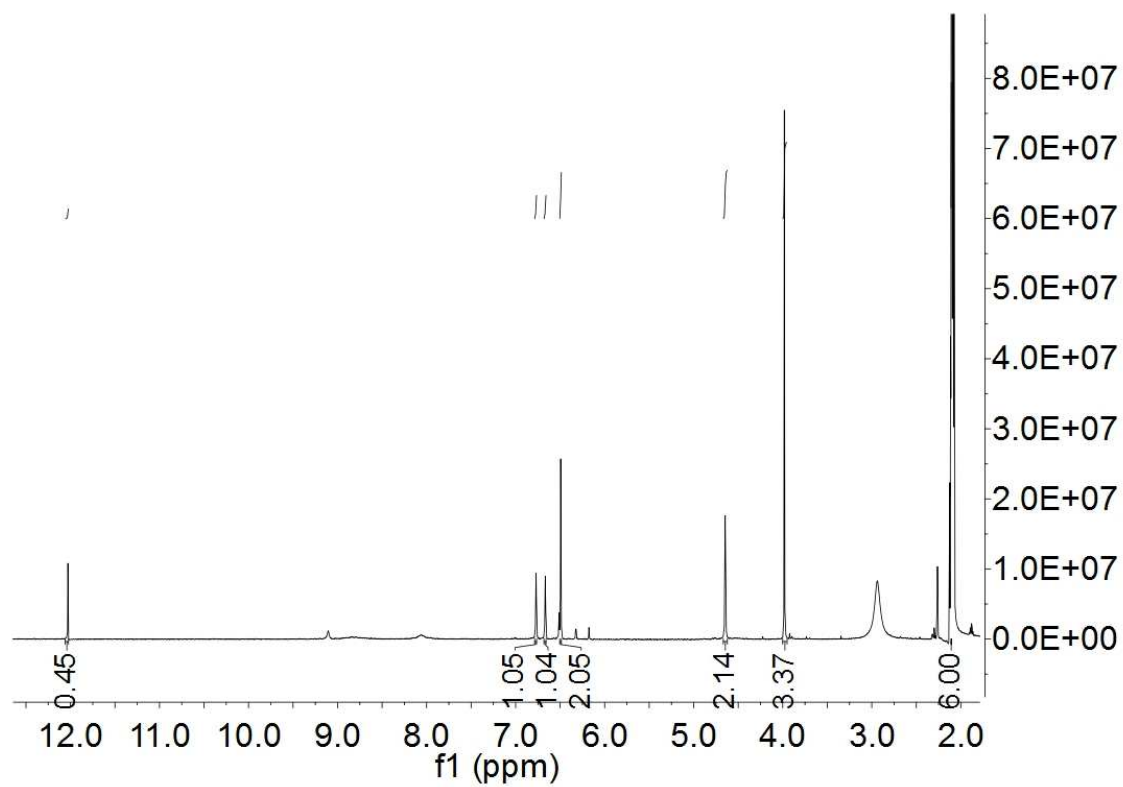
S4. HMQC NMR spectrum of compound (1) in MeOH- d_4



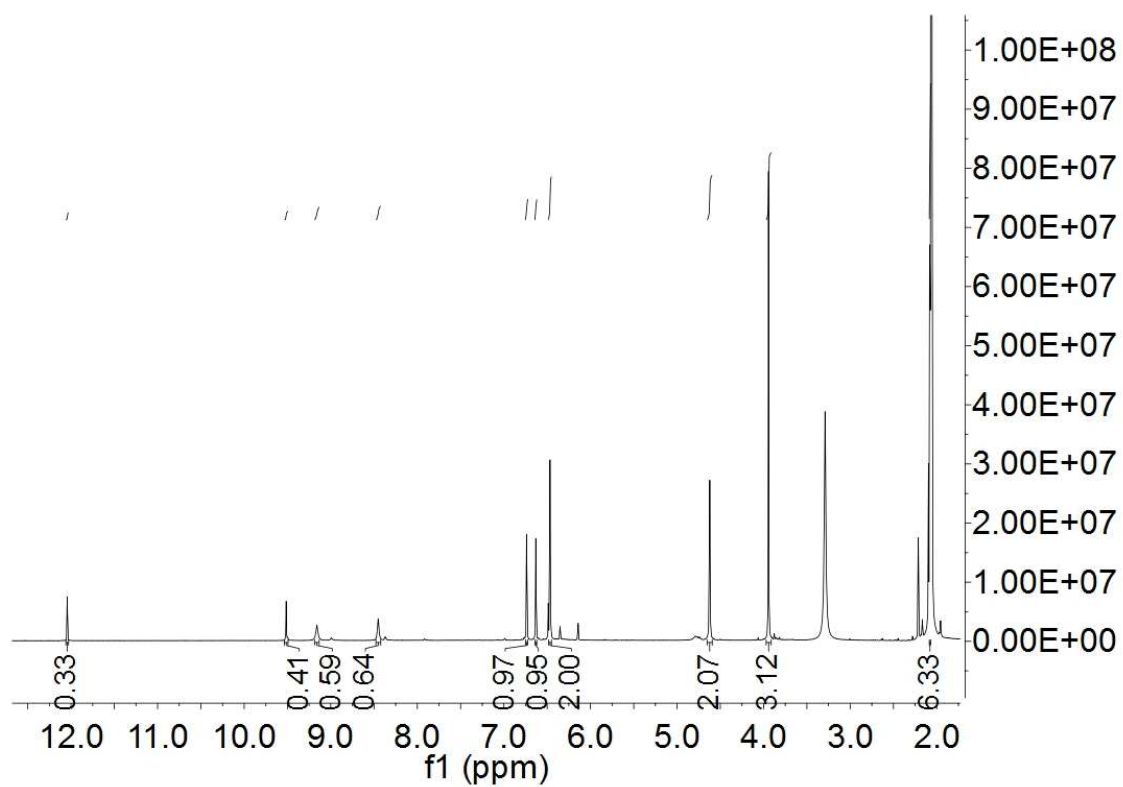
S5. HMBC NMR spectrum of compound (1) in MeOH- d_4



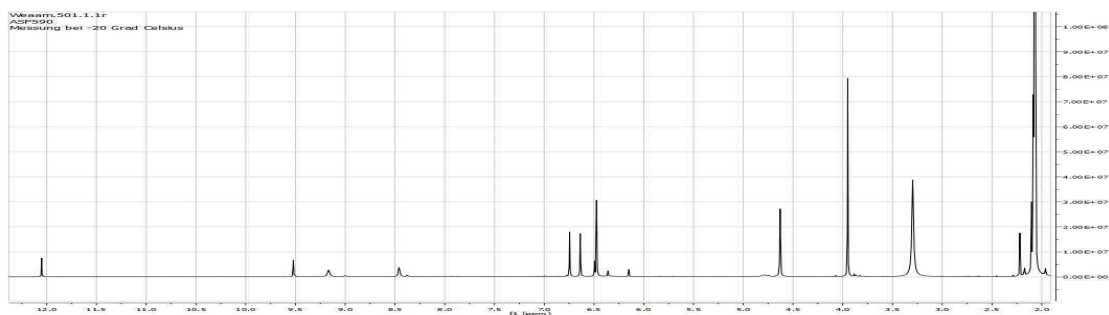
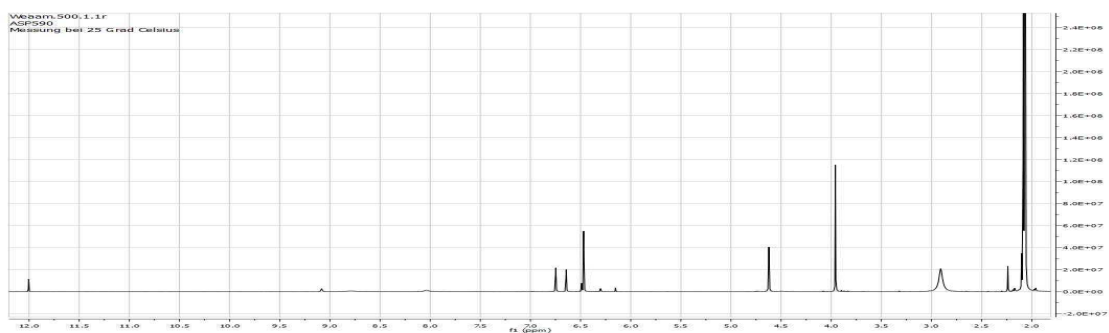
S6. ^1H NMR spectrum of compound (1) in acetone- d_6



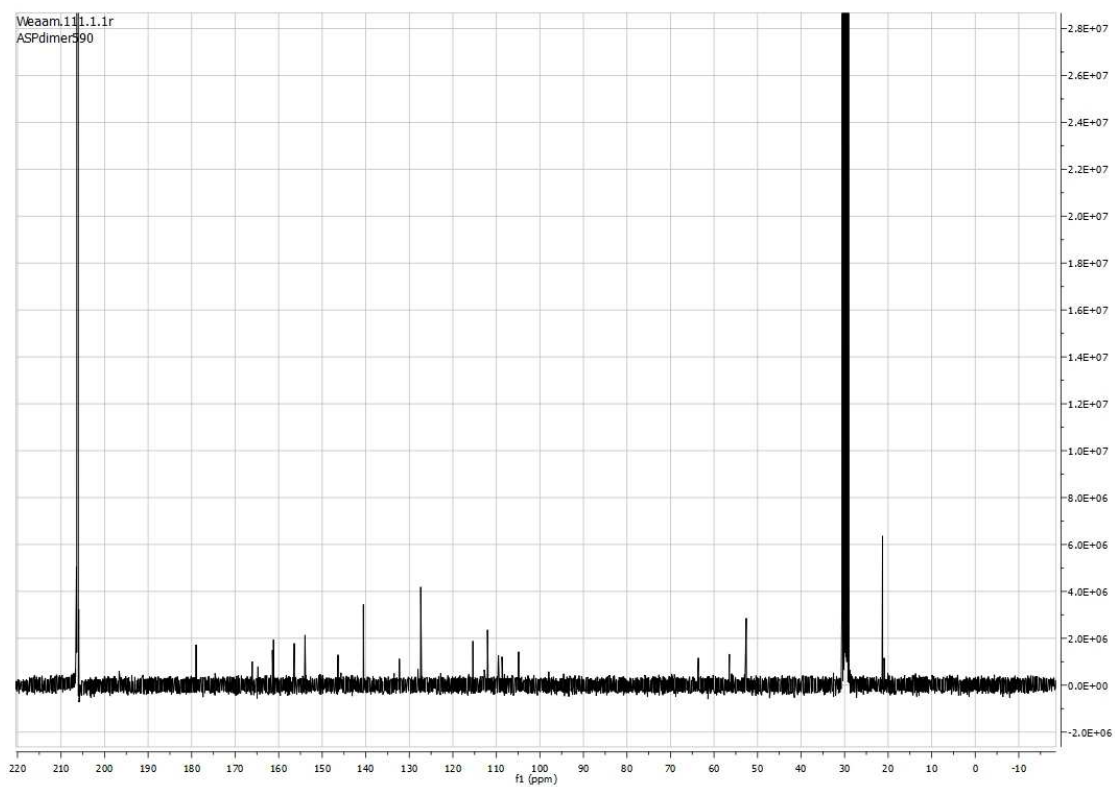
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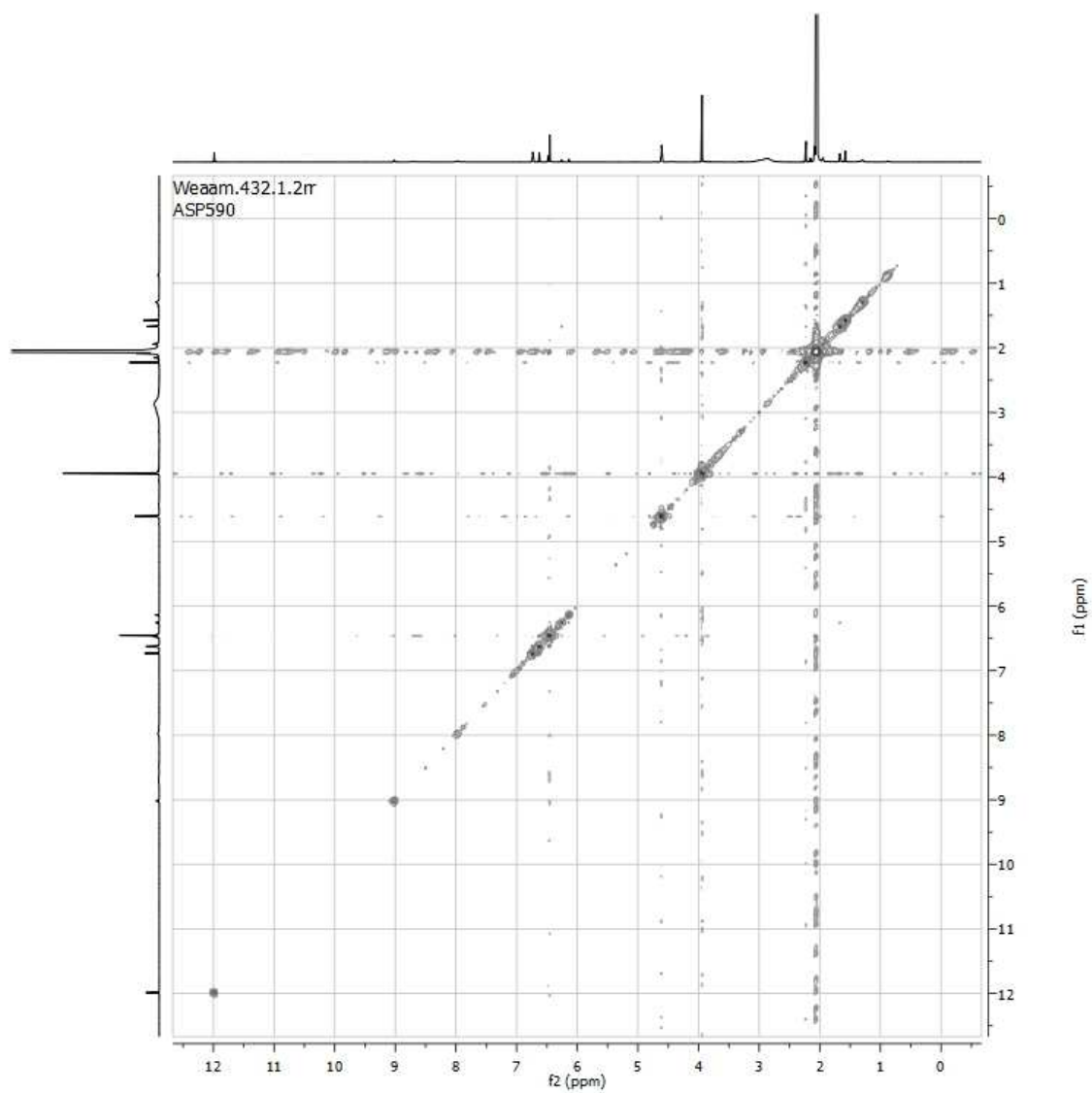
S8. Comparison of ^1H NMR spectrum of compound (1) in acetone- d_6 at room temperature and at -20°C



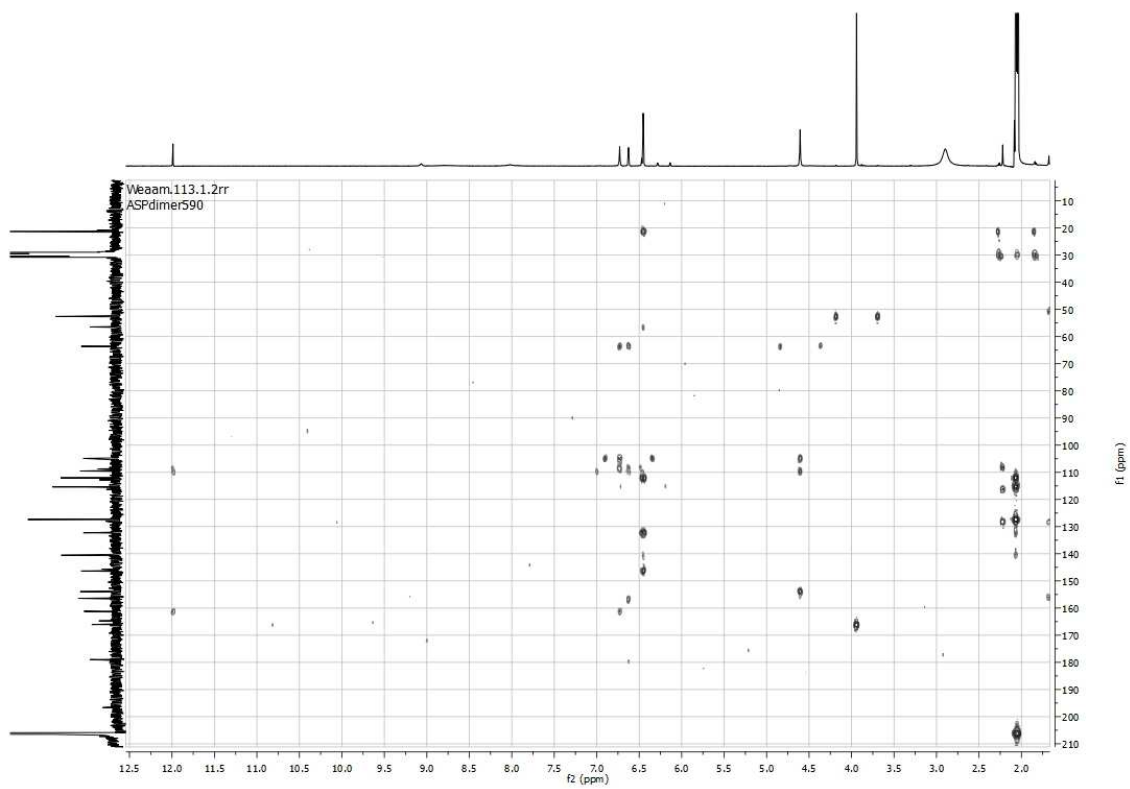
S9. ^{13}C NMR spectrum of compound (1) in acetone- d_6



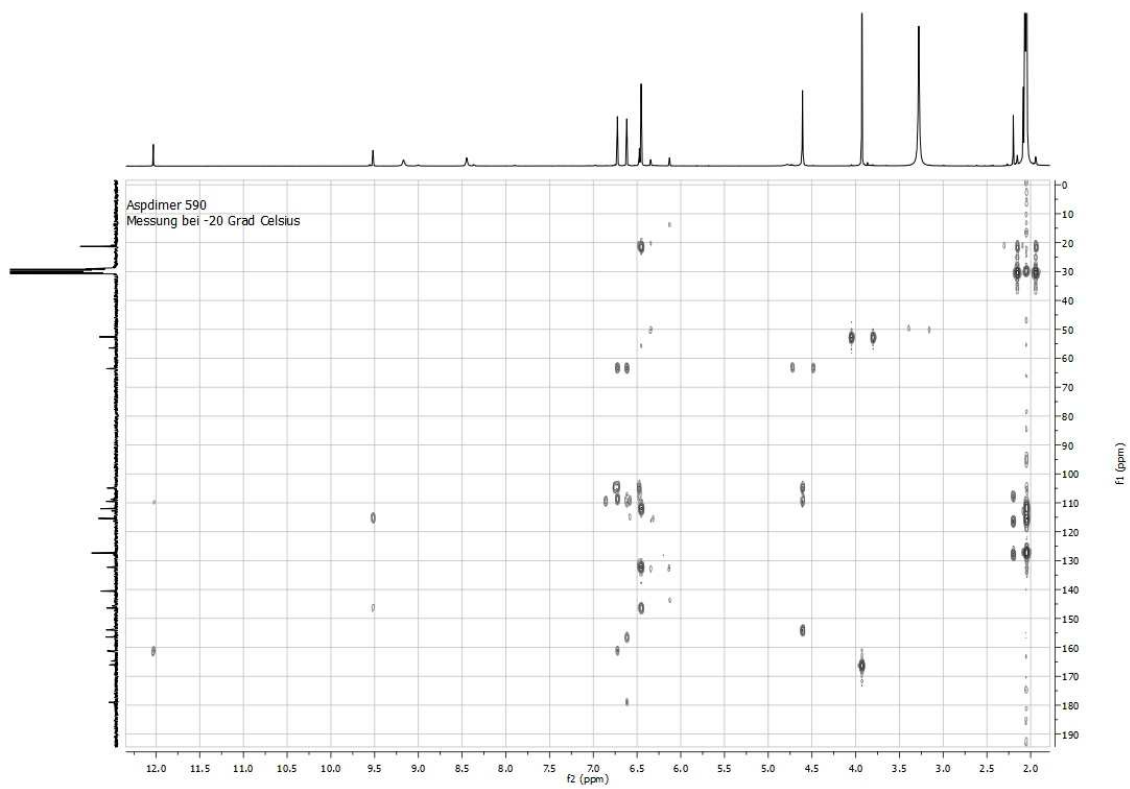
S10. COSY spectrum of compound (1) in acetone- d_6



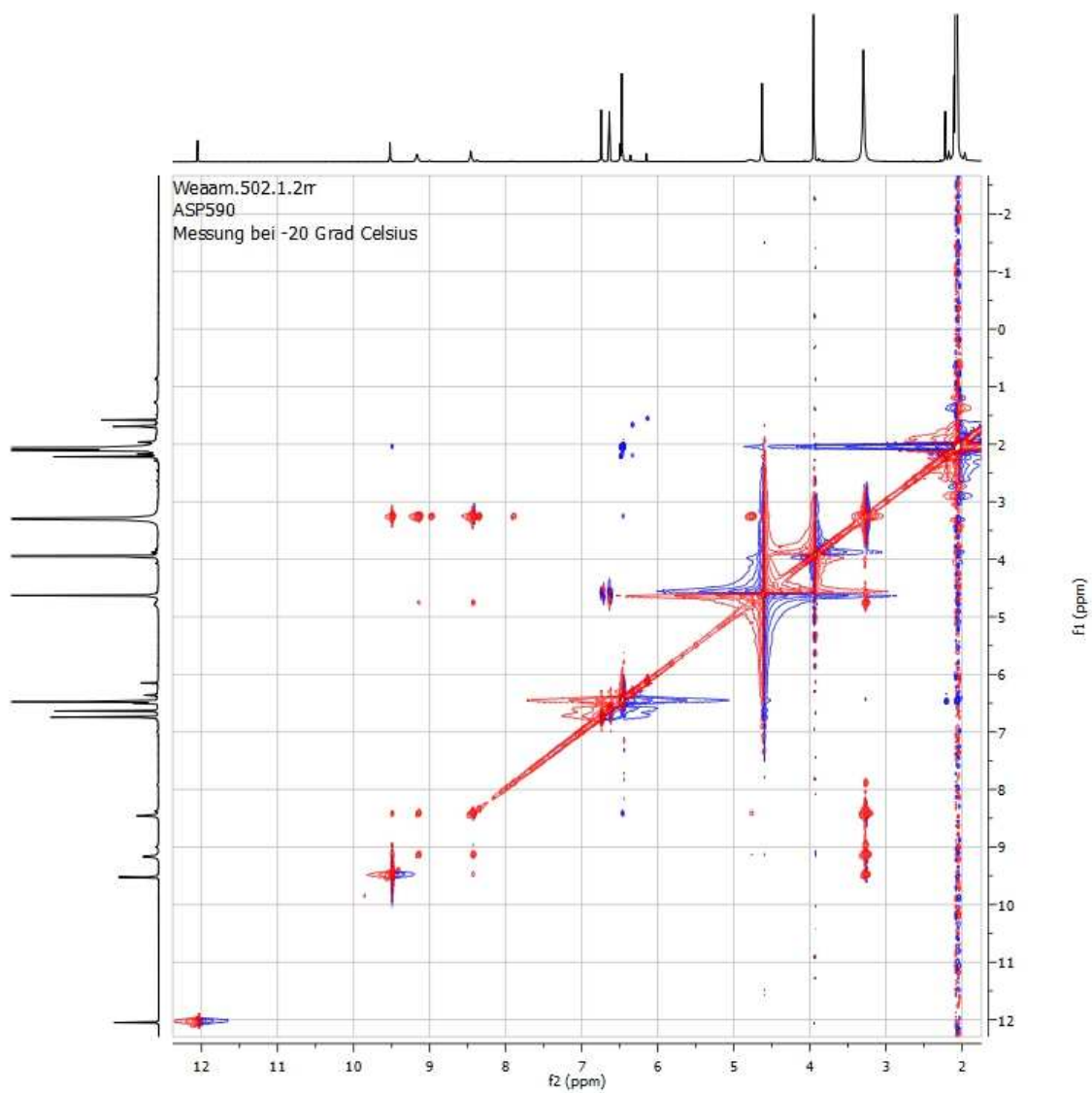
S11. HMBC spectrum of compound (1) in acetone- d_6



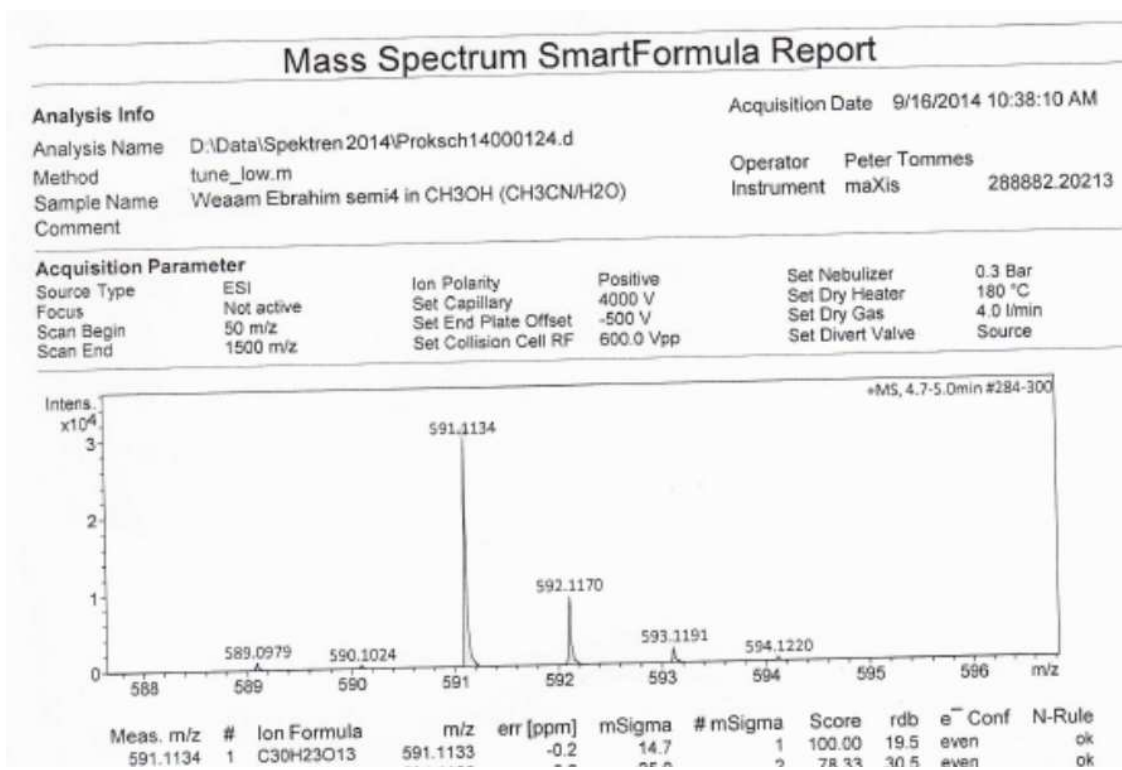
S12. HMBC NMR spectrum of compound (1) in acetone- d_6 at -20°C



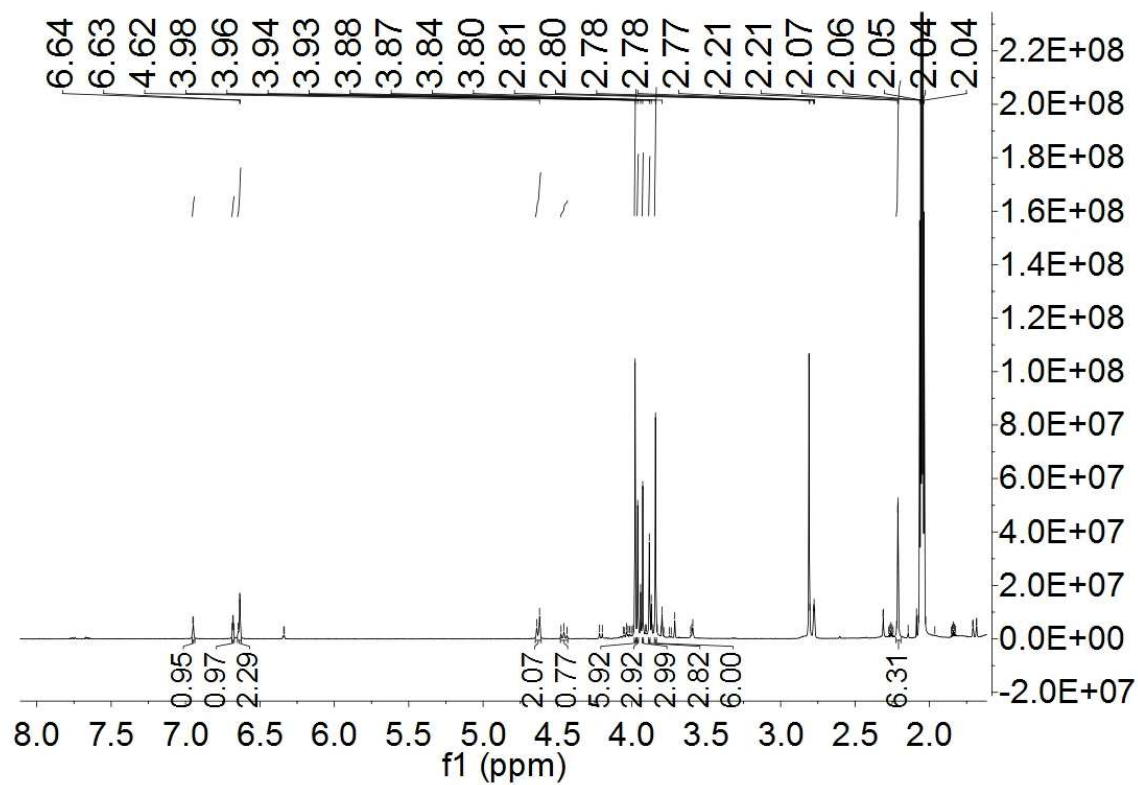
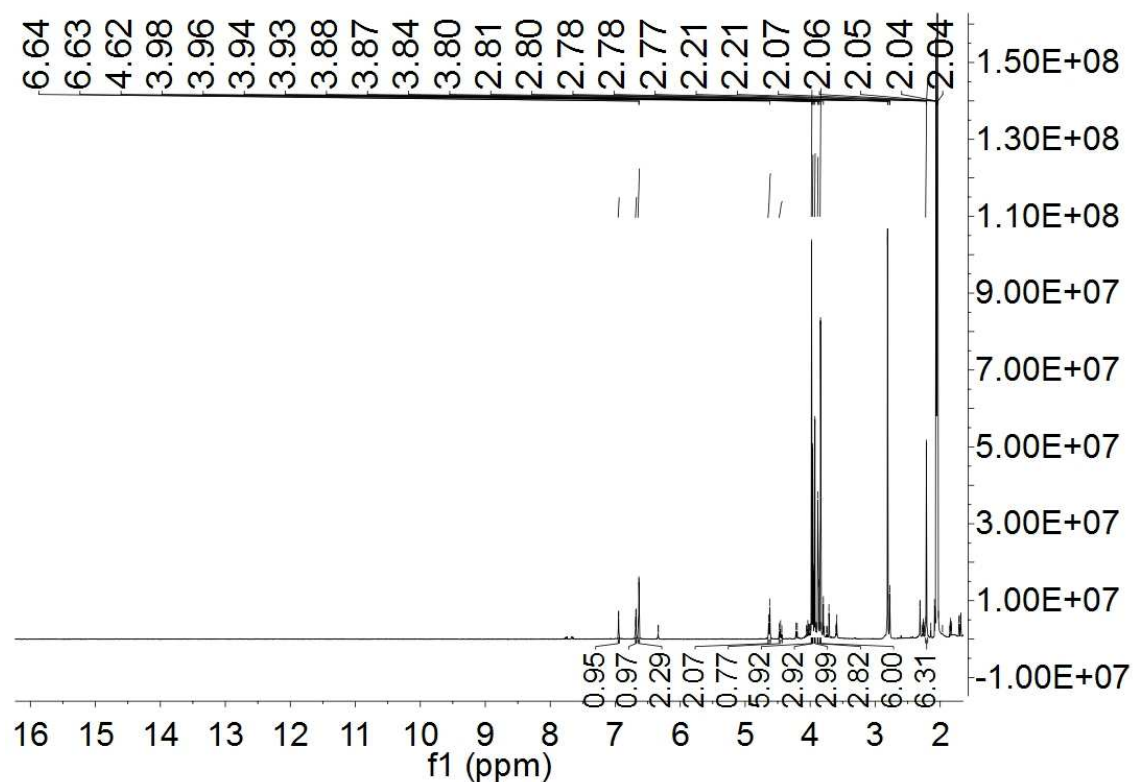
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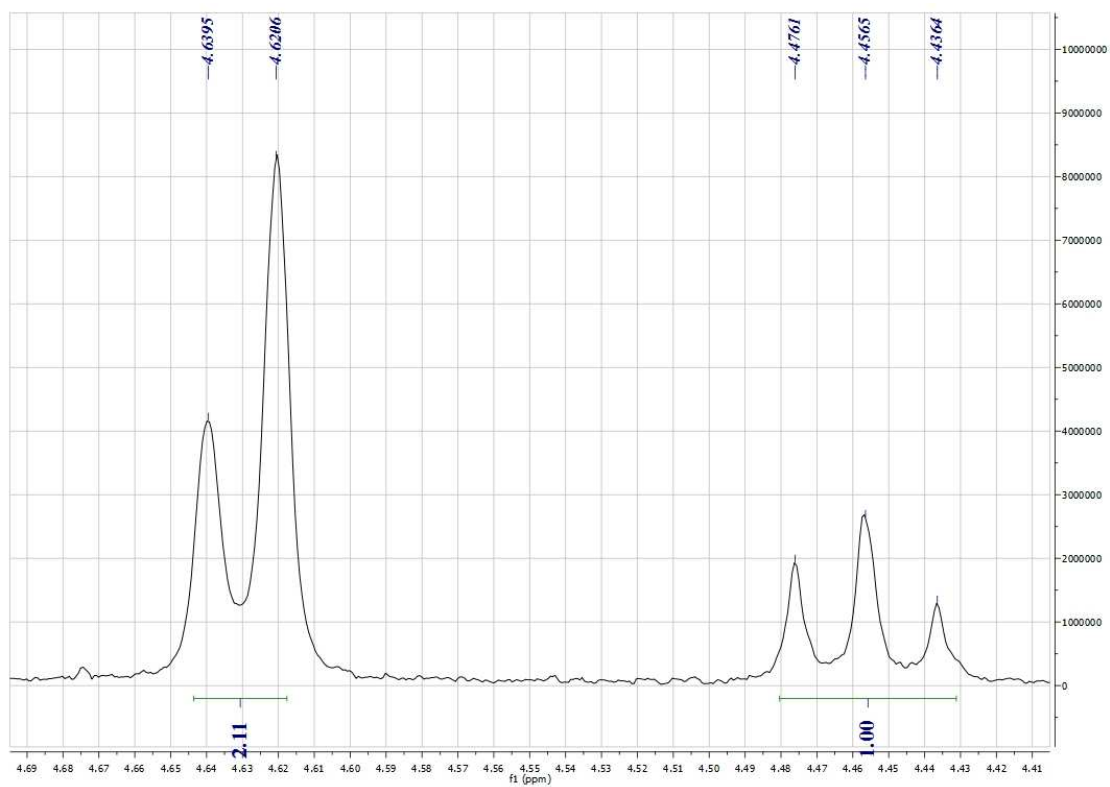
S14. HRESIMS of compound (1)



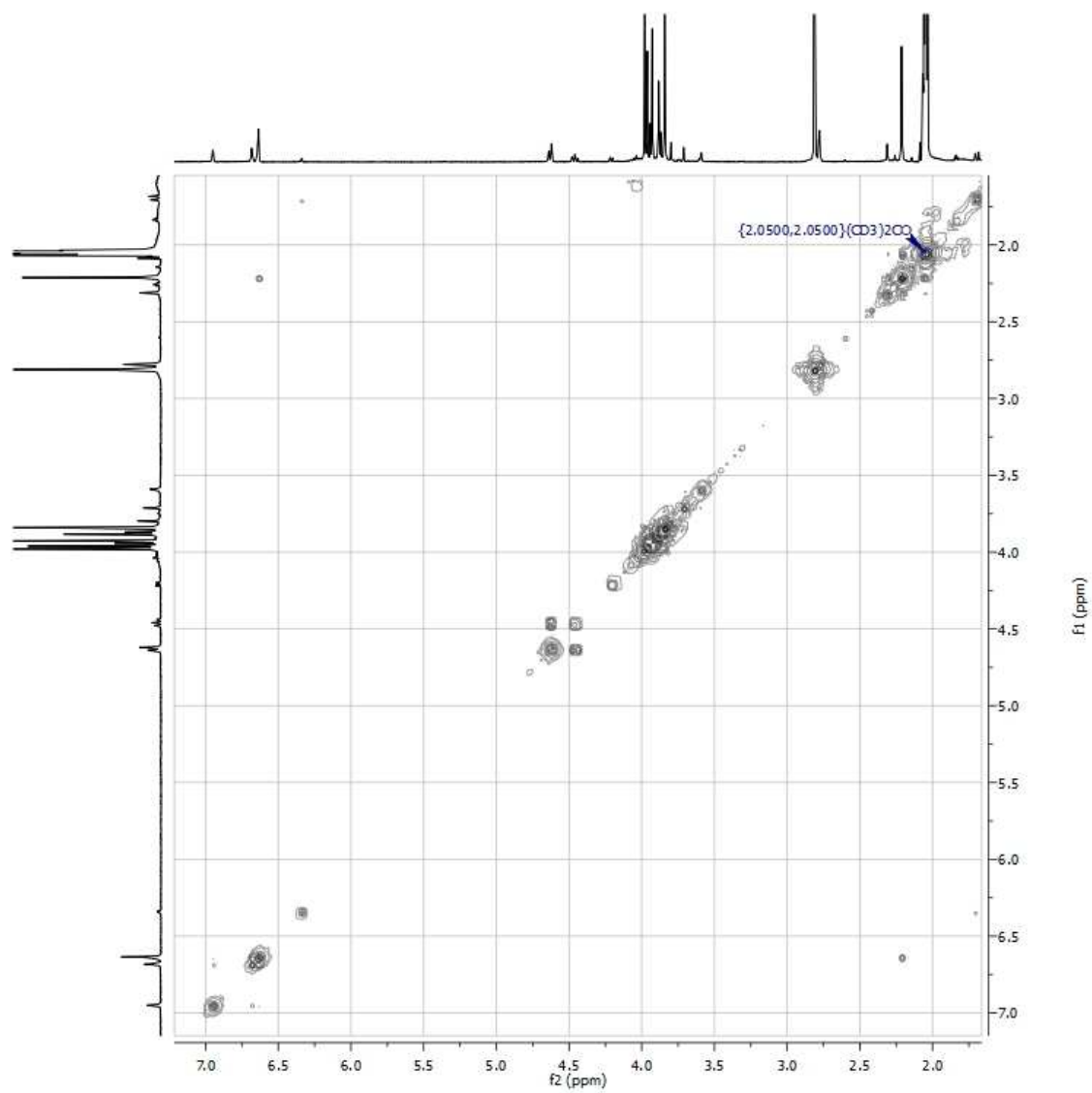
S15. ^1H NMR spectrum of the methylated derivative (**1b**) in acetone- d_6



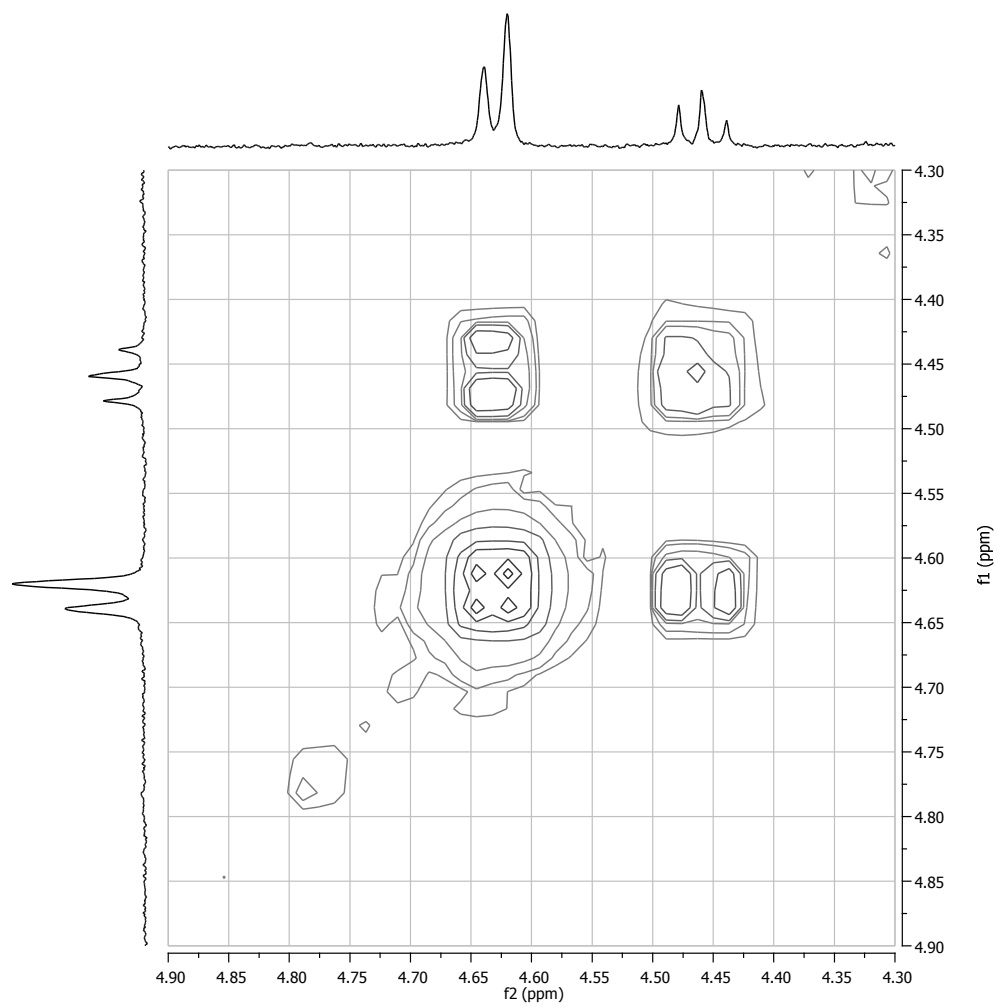
S16. Expanded ^1H NMR spectrum of the methylated derivative (**1b**) in acetone- d_6



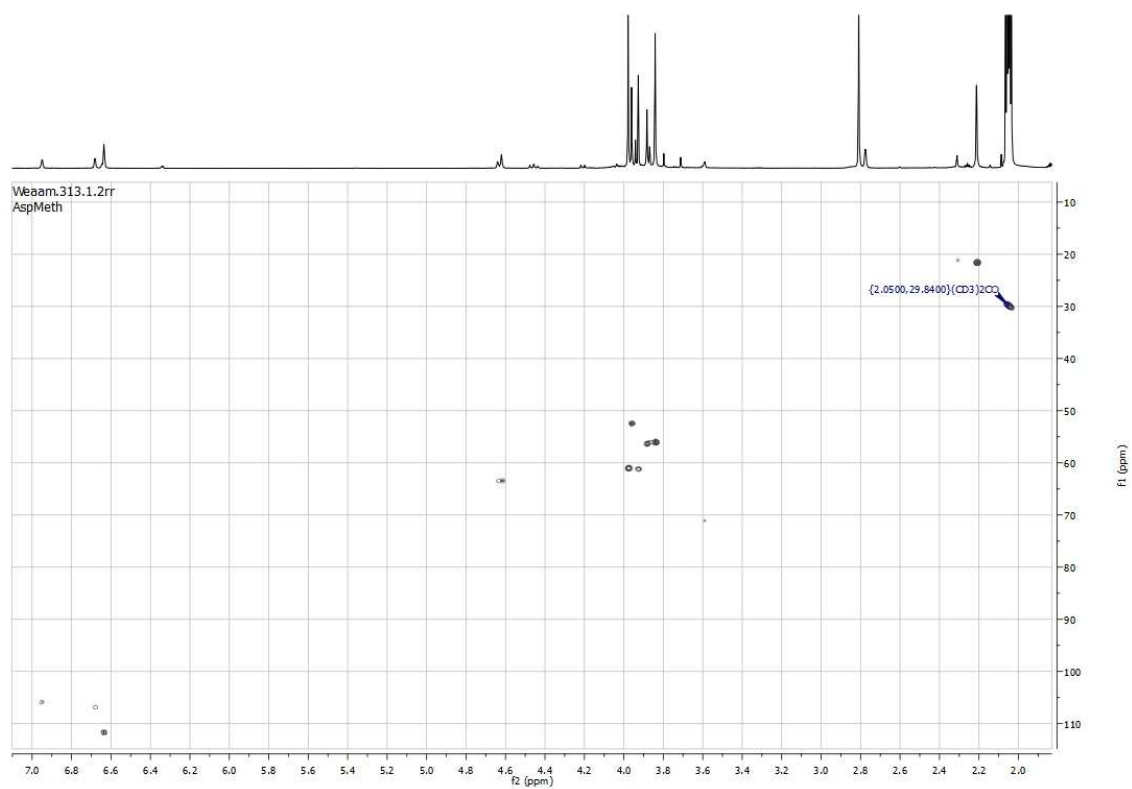
S17. COSY spectrum of the methylated derivative (**1b**) in acetone- d_6



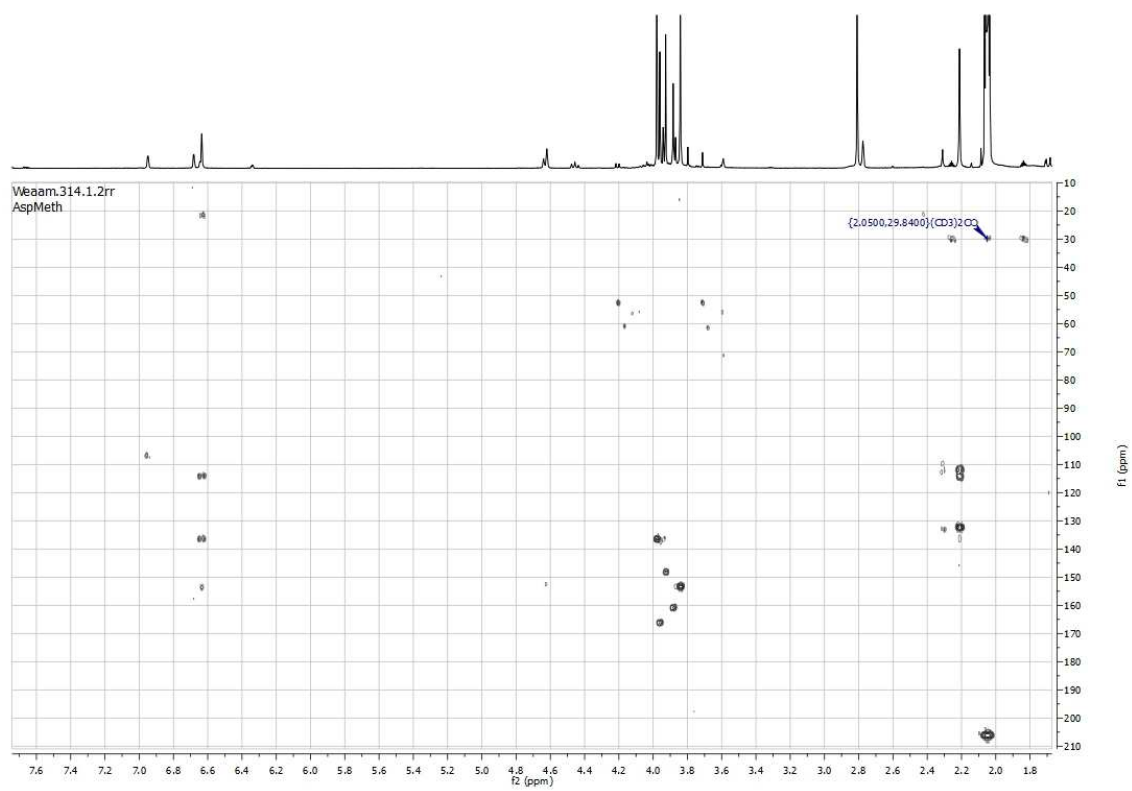
S18. Expanded COSY spectrum of the methylated derivative (**1b**) in acetone- d_6



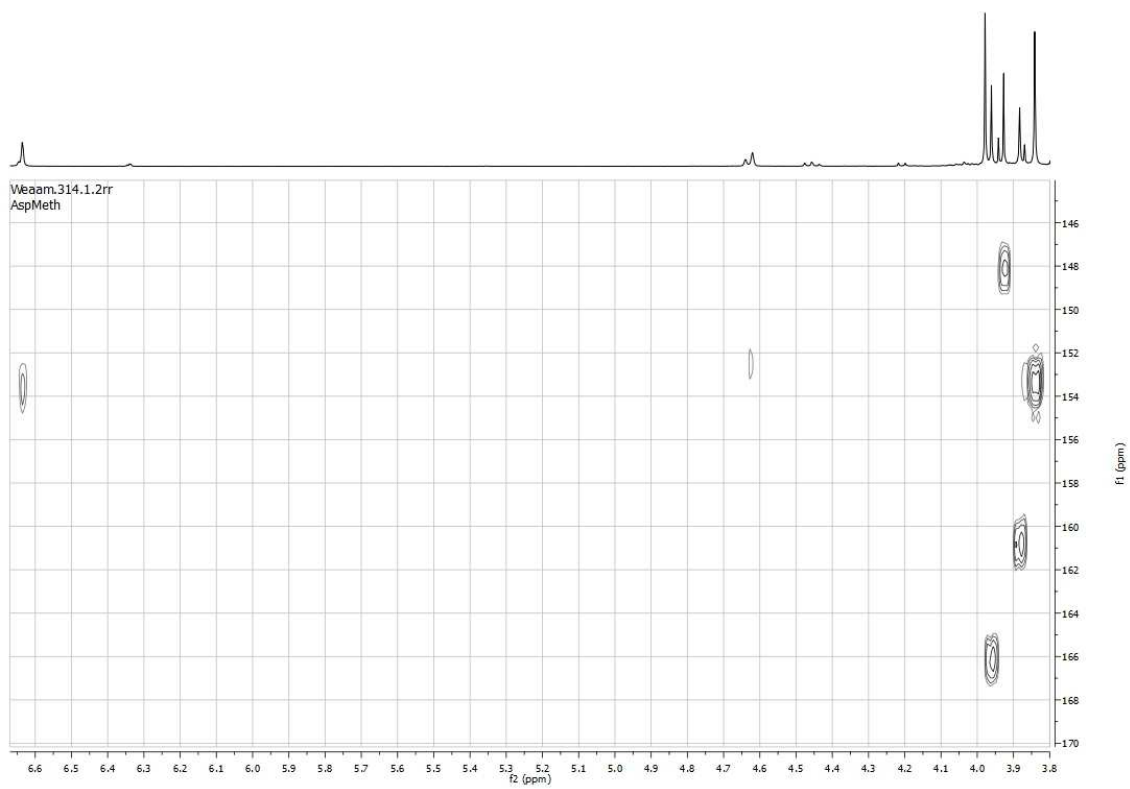
S19. HMQC spectrum of the methylated derivative (**1b**) in acetone- d_6



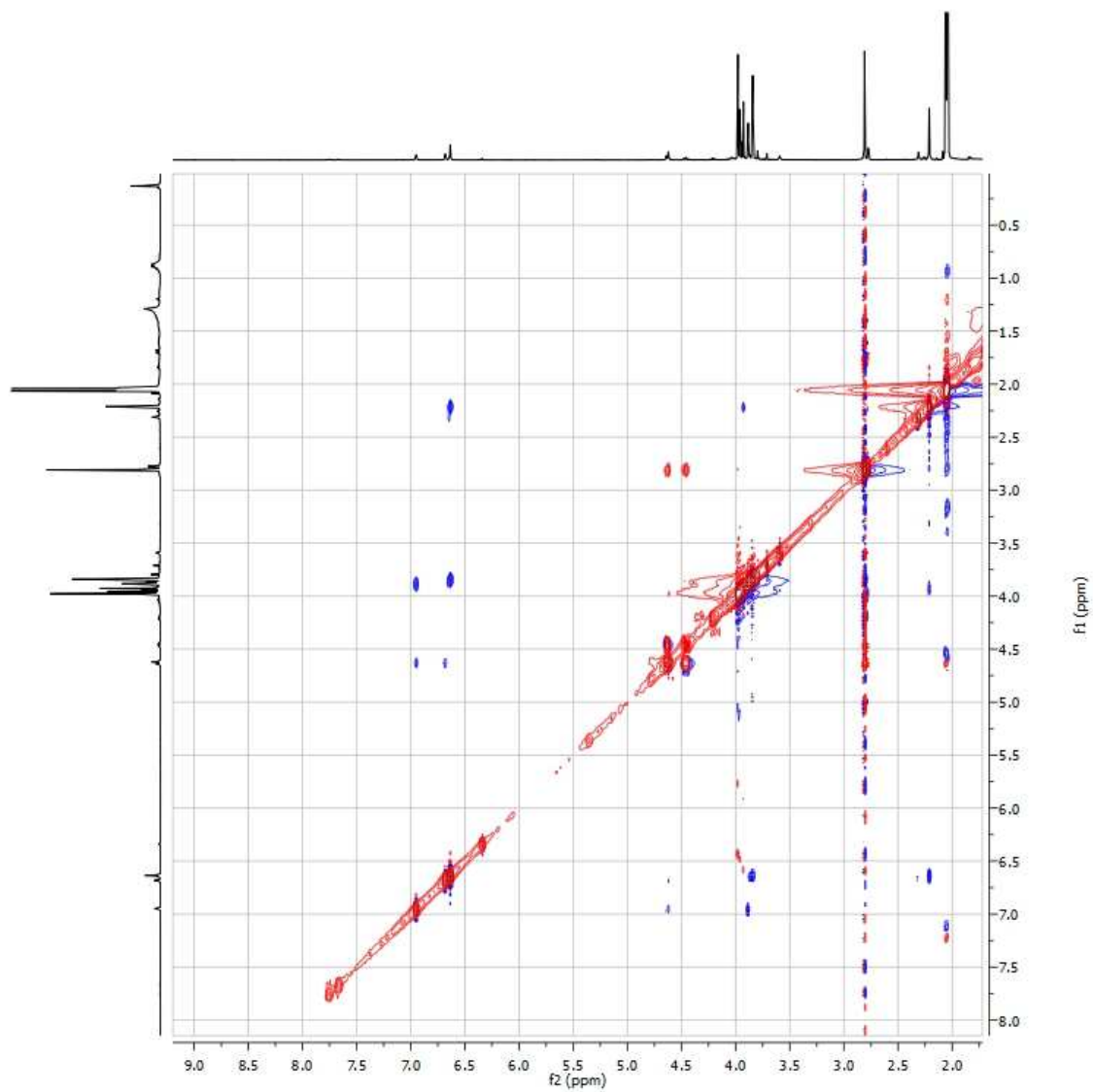
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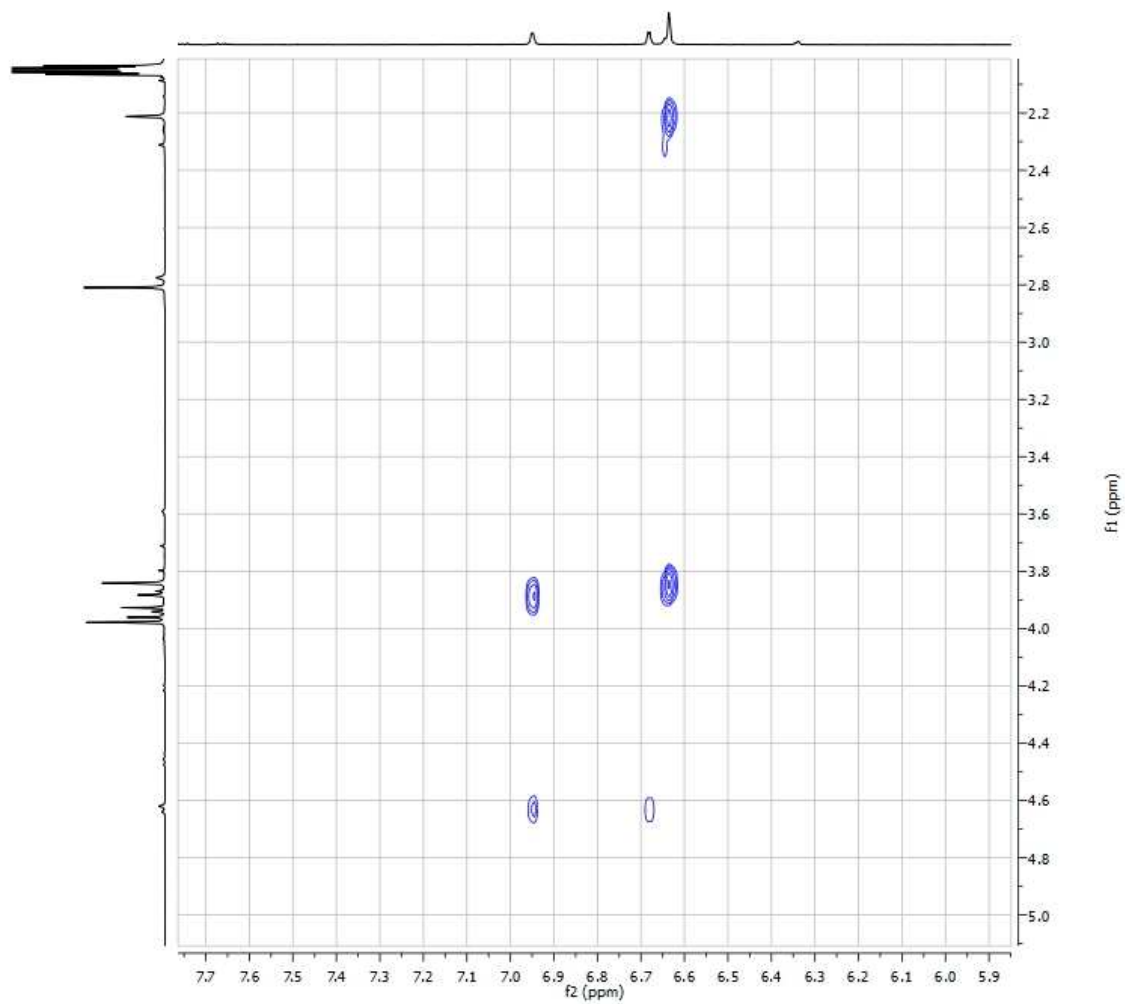
S21. Expanded HMBC spectrum of the methylated derivative (**1b**) in acetone- d_6



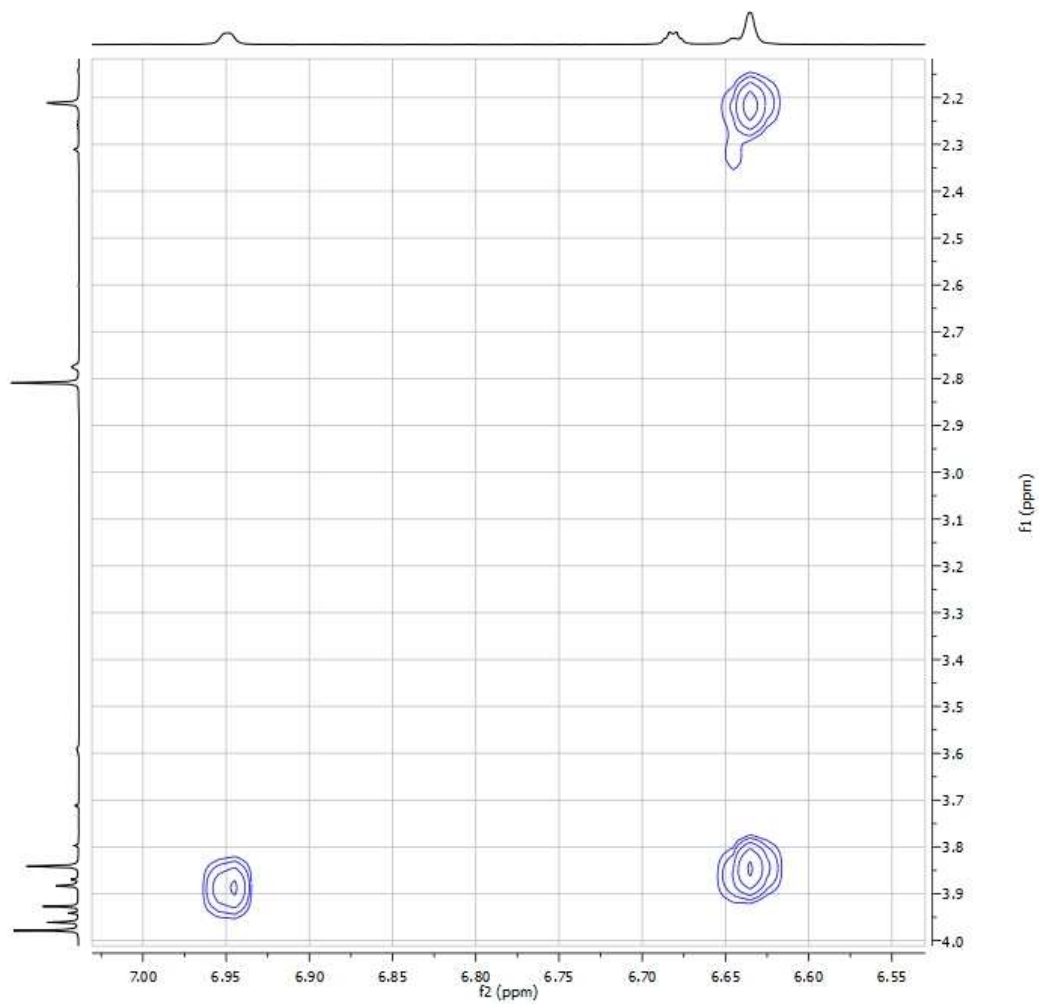
S22. ROESY spectrum of the methylated derivative (**1b**) in acetone- d_6



S23. Expanded ROESY spectrum of the methylated derivative (**1b**) in acetone- d_6



S24. Expanded ROESY spectrum of the methylated derivative (**1b**) in acetone- d_6



S25. HRESIMS of the methylated derivative (1b)

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Analysis Info

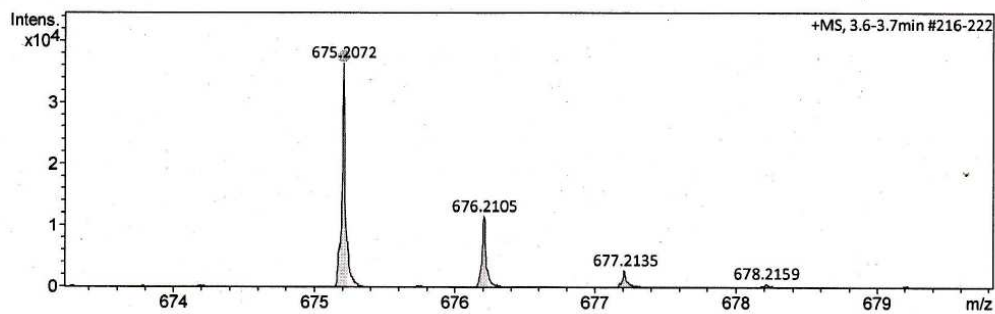
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 Instrument maXis 288882.20213

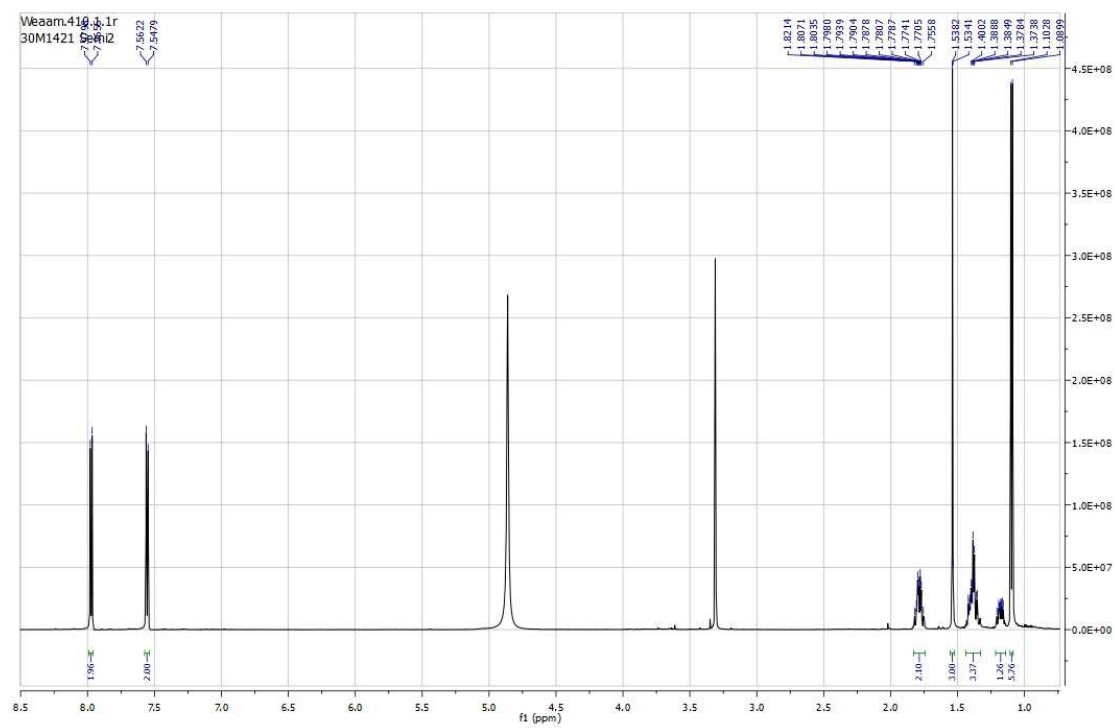
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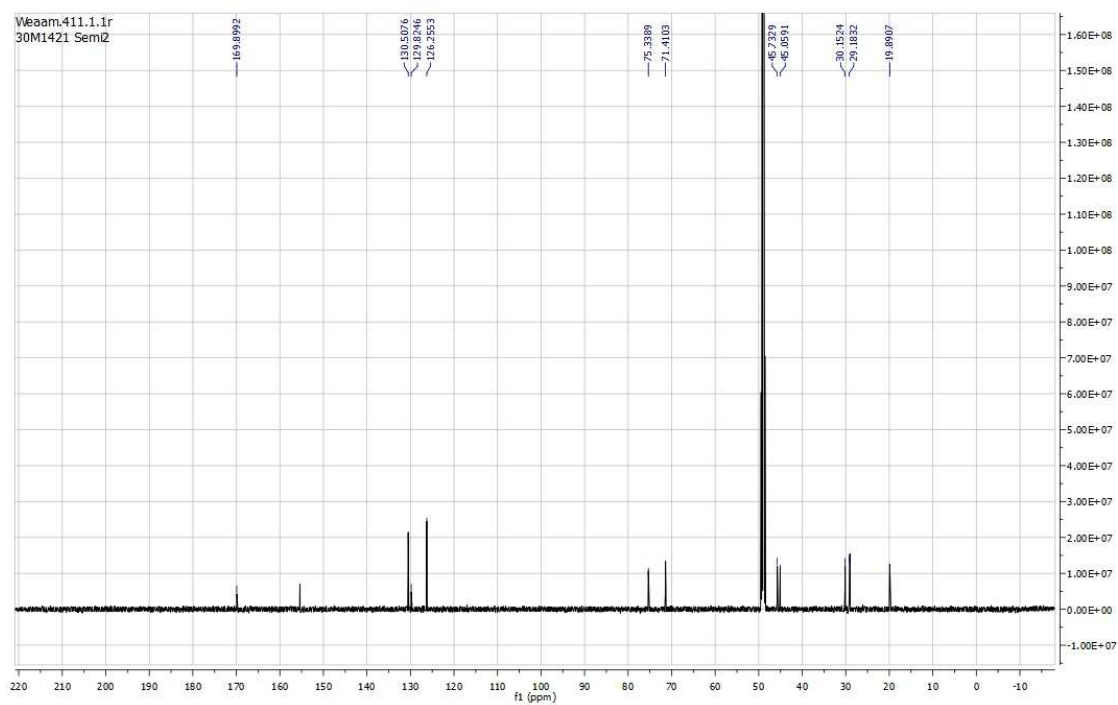
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S26. ^1H NMR spectrum of compound (**2**) in $\text{MeOH-}d_4$

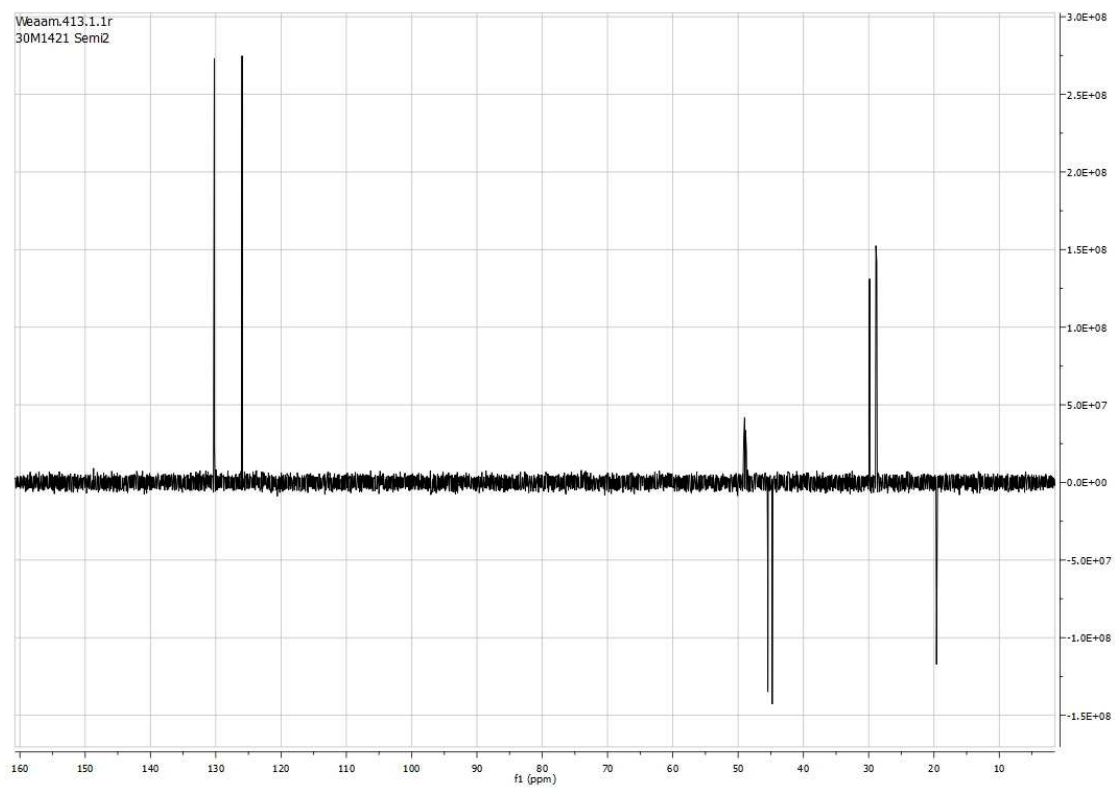


S27. ^{13}C NMR spectrum of compound (**2**) in $\text{MeOH-}d_4$

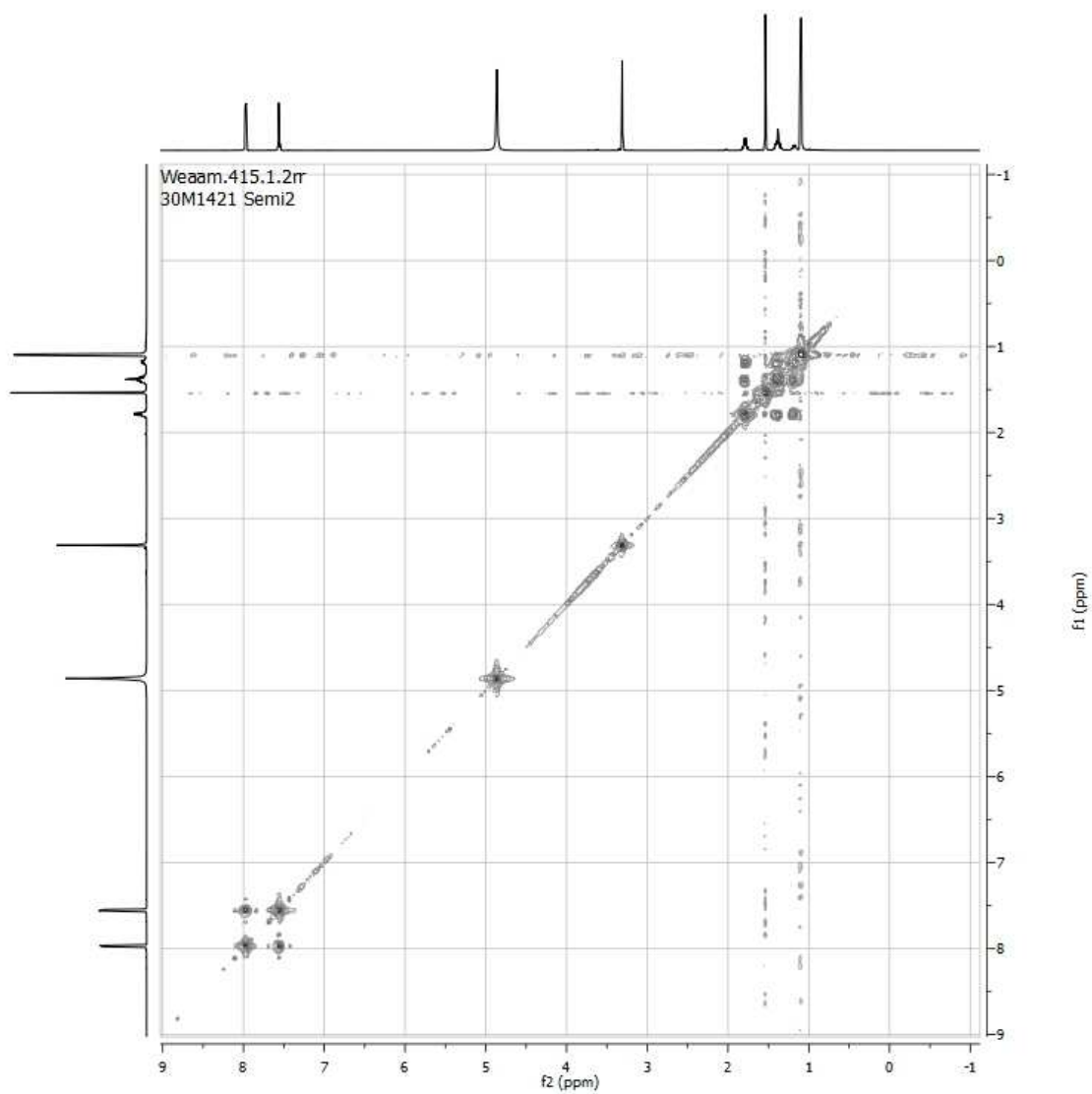
^{13}C NMR (151 MHz, MeOD) δ 169.90, 130.51, 129.82, 126.26, 75.34, 71.41, 45.73, 45.06, 30.15, 29.18, 19.89.



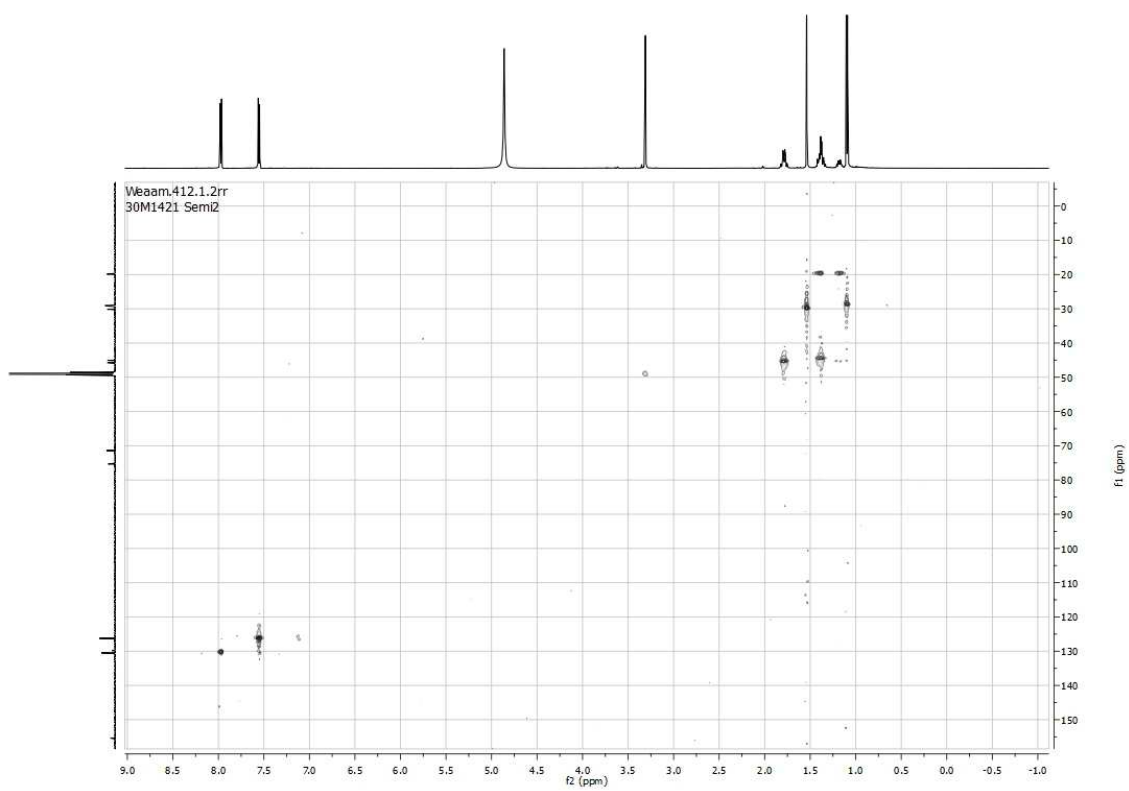
S28. DEPT spectrum of compound (2) in MeOH- d_4



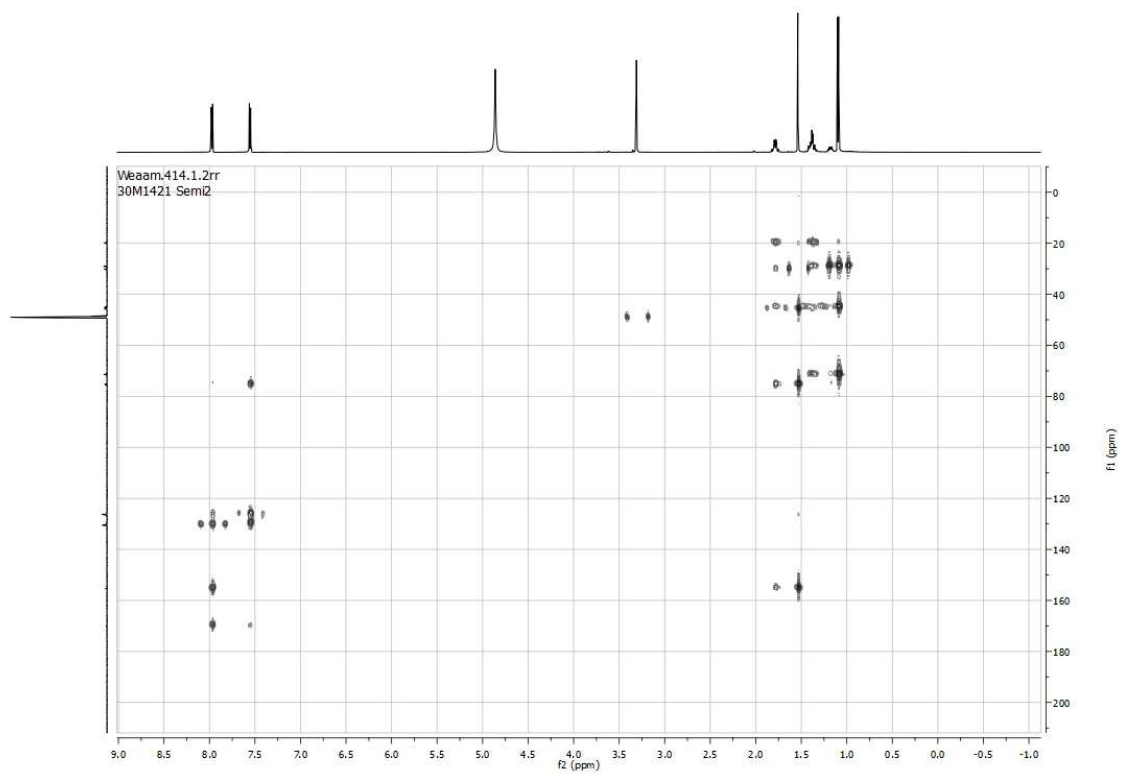
S29. COSY spectrum of compound (2) in MeOH- d_4



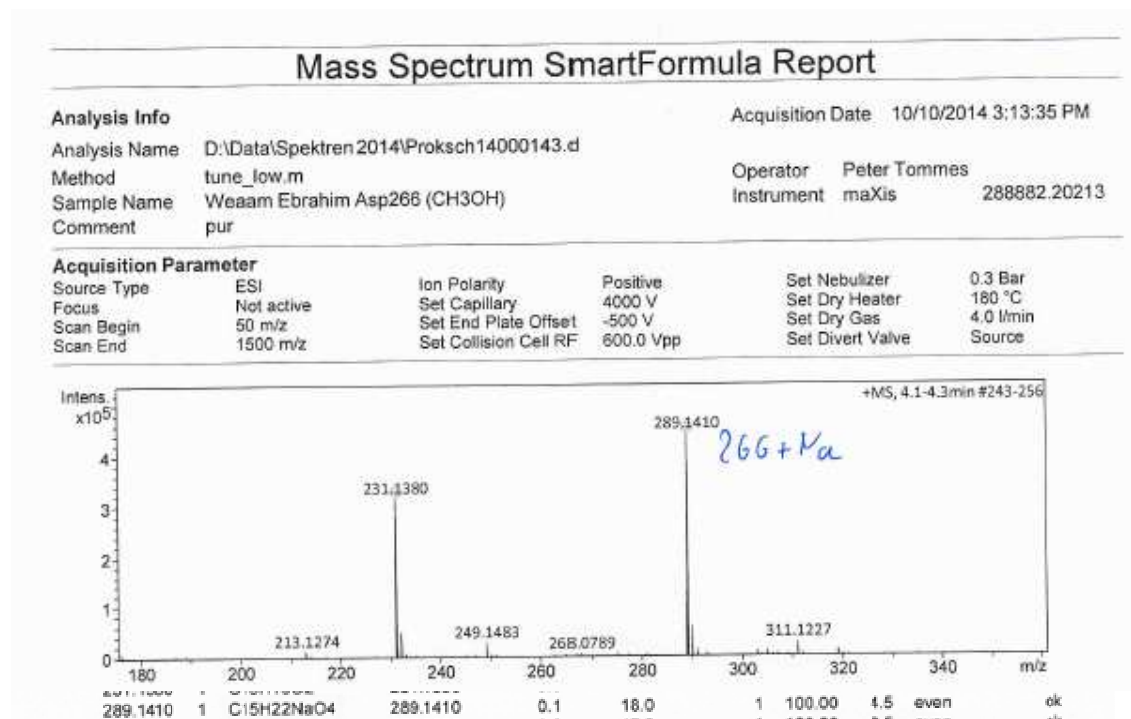
S30. HMQC spectrum of compound (2) in MeOH- d_4



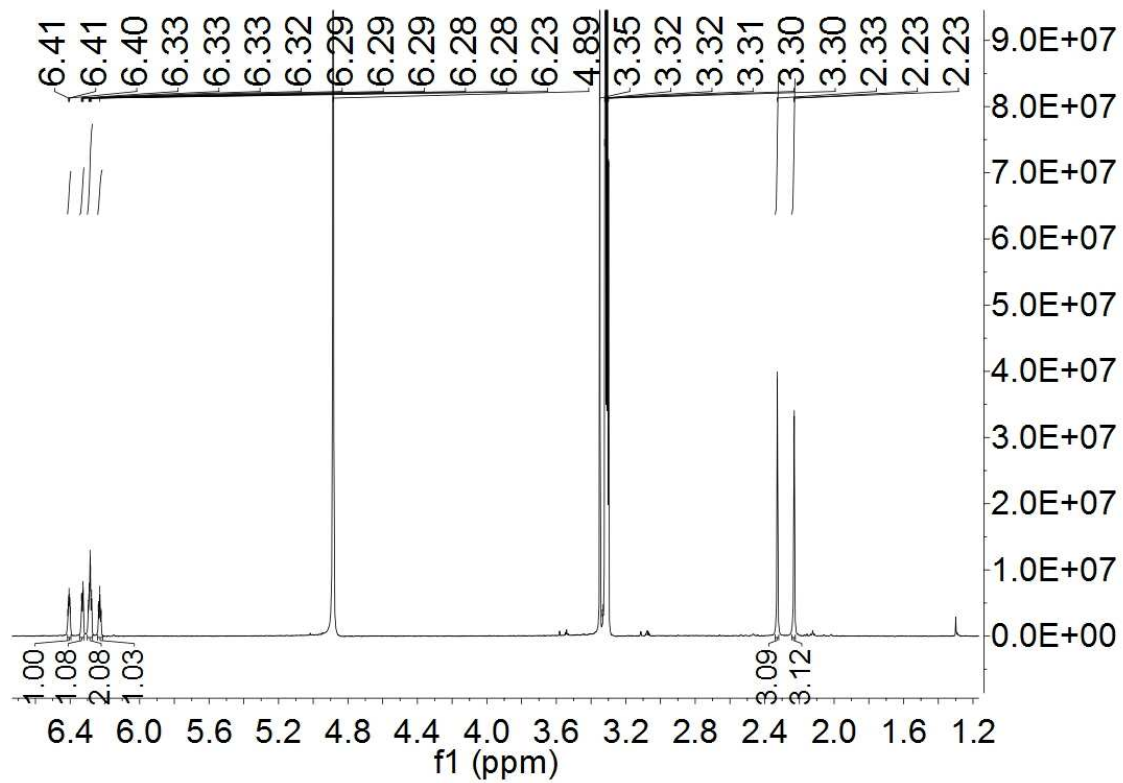
S31. HMBC spectrum of compound (2) in MeOH- d_4



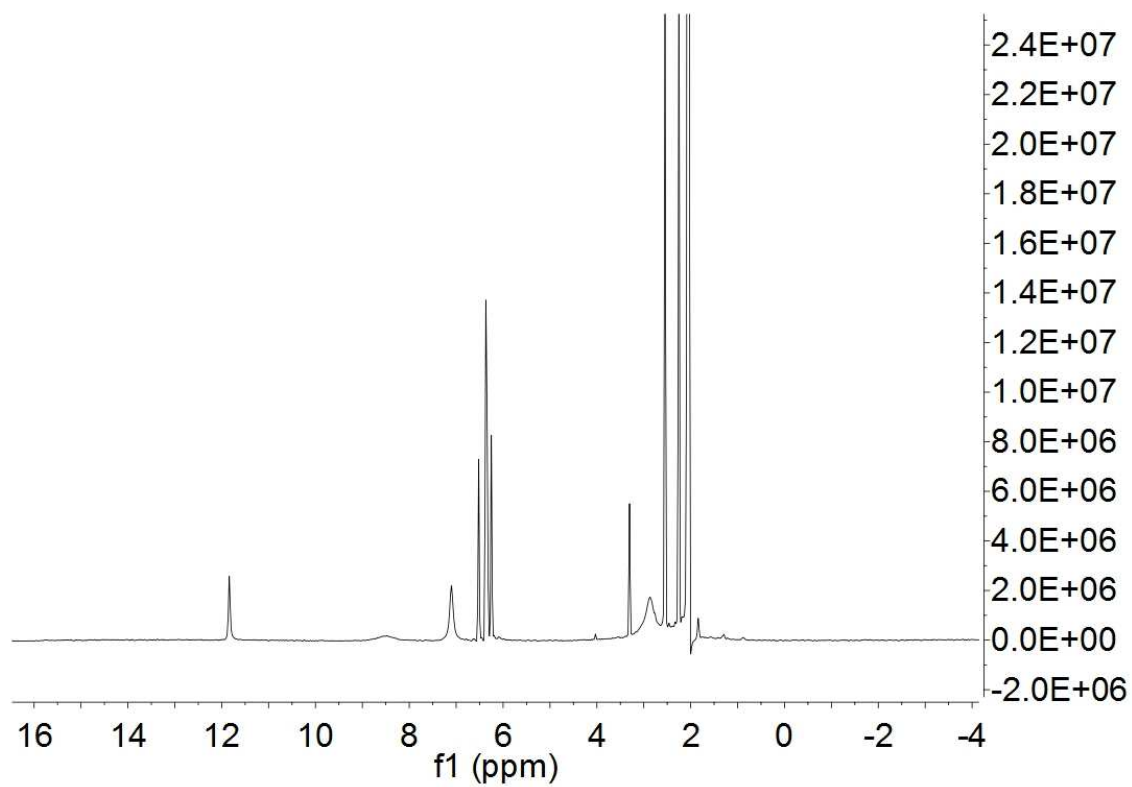
S32. HRESIMS of compound (2)



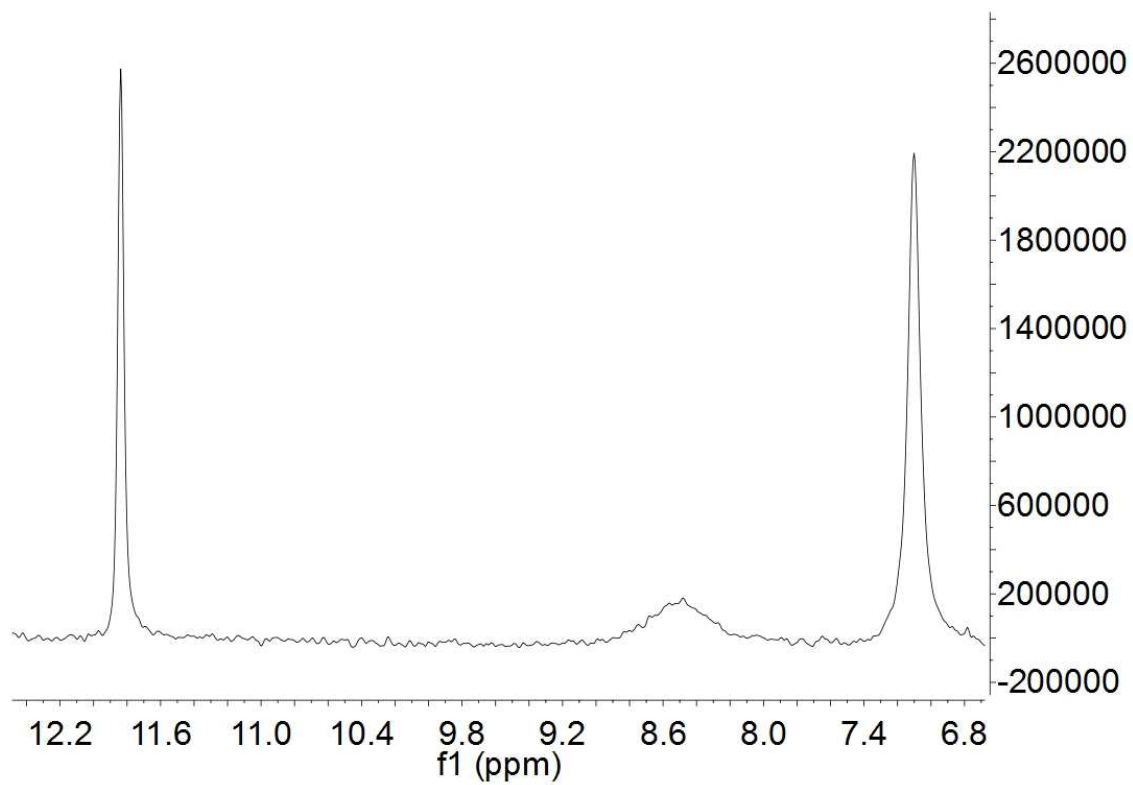
S33. ^1H NMR spectrum of compound (8) in $\text{MeOH-}d_4$



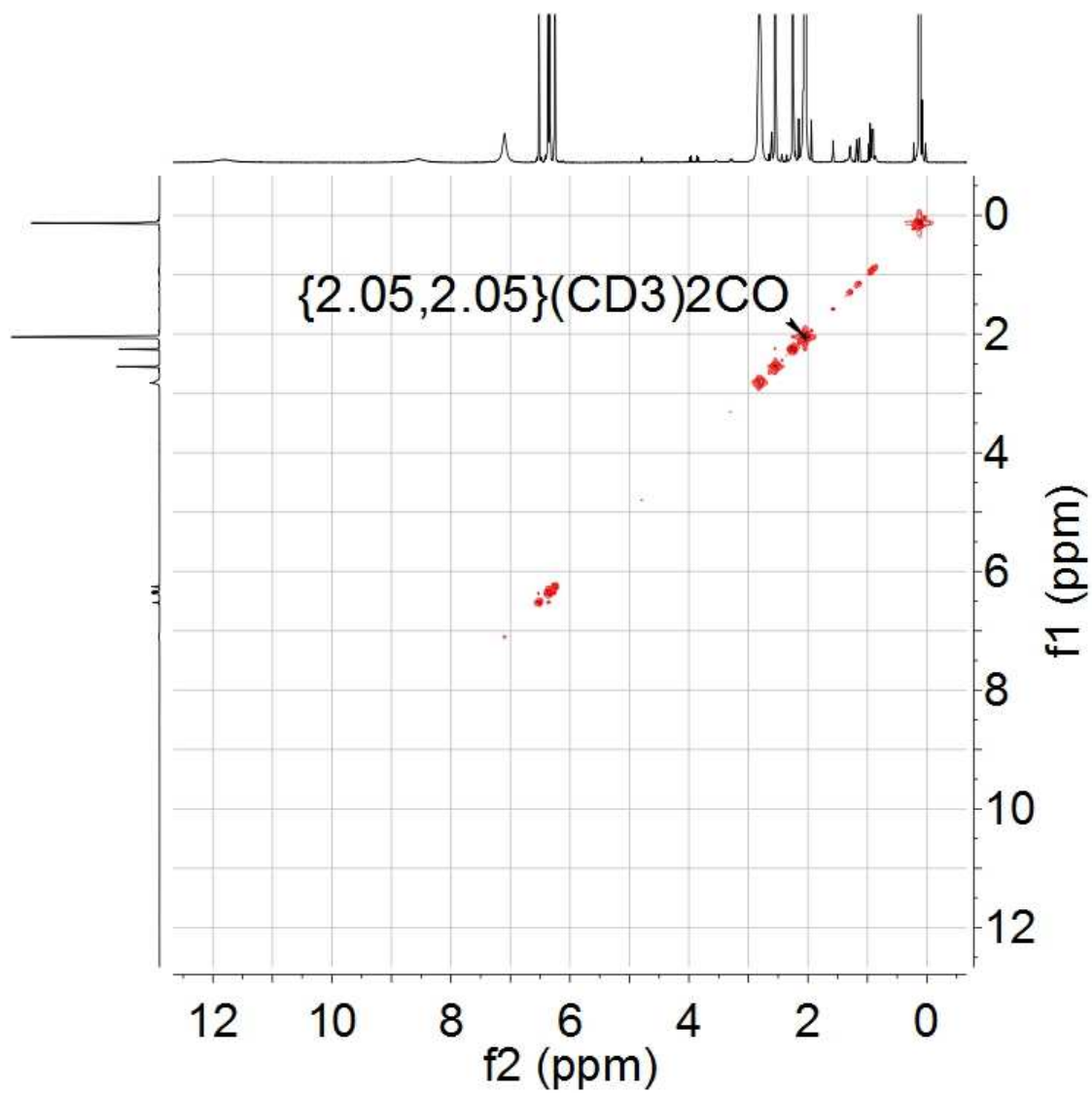
S34. ^1H NMR spectrum of compound (**8**) in acetone- d_6



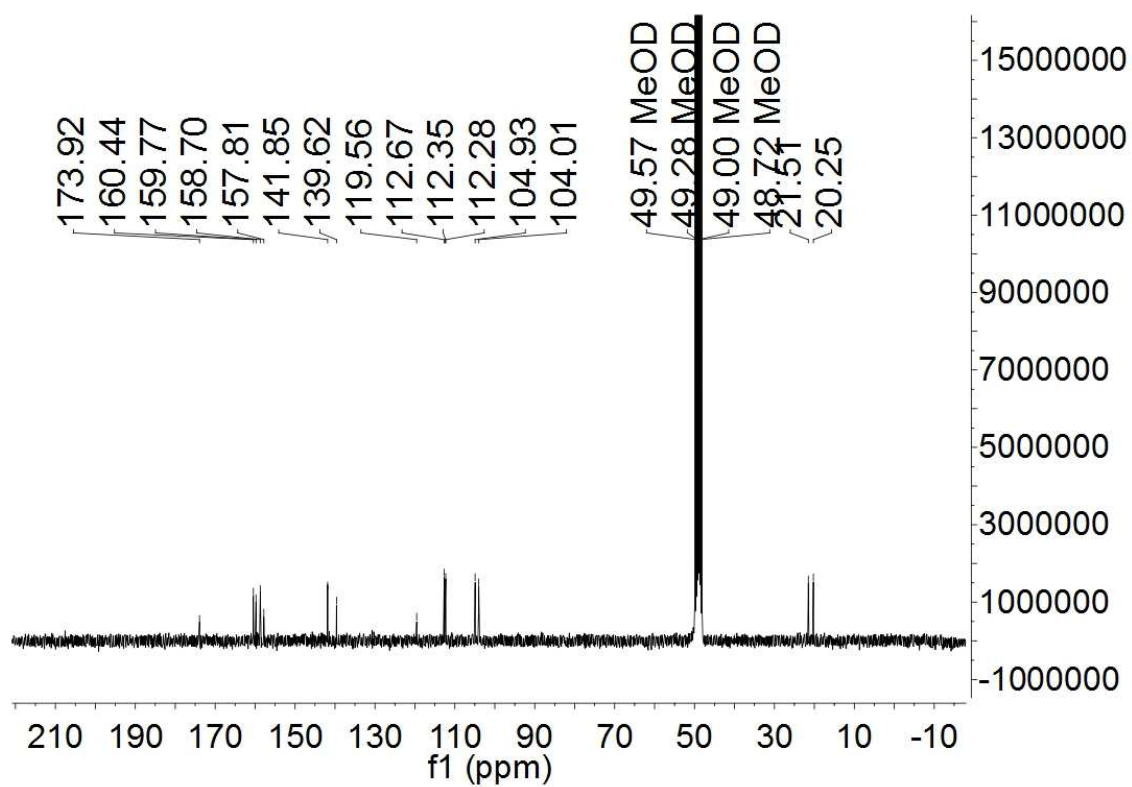
S35. Expanded ^1H NMR spectrum of compound (**8**) in acetone- d_6



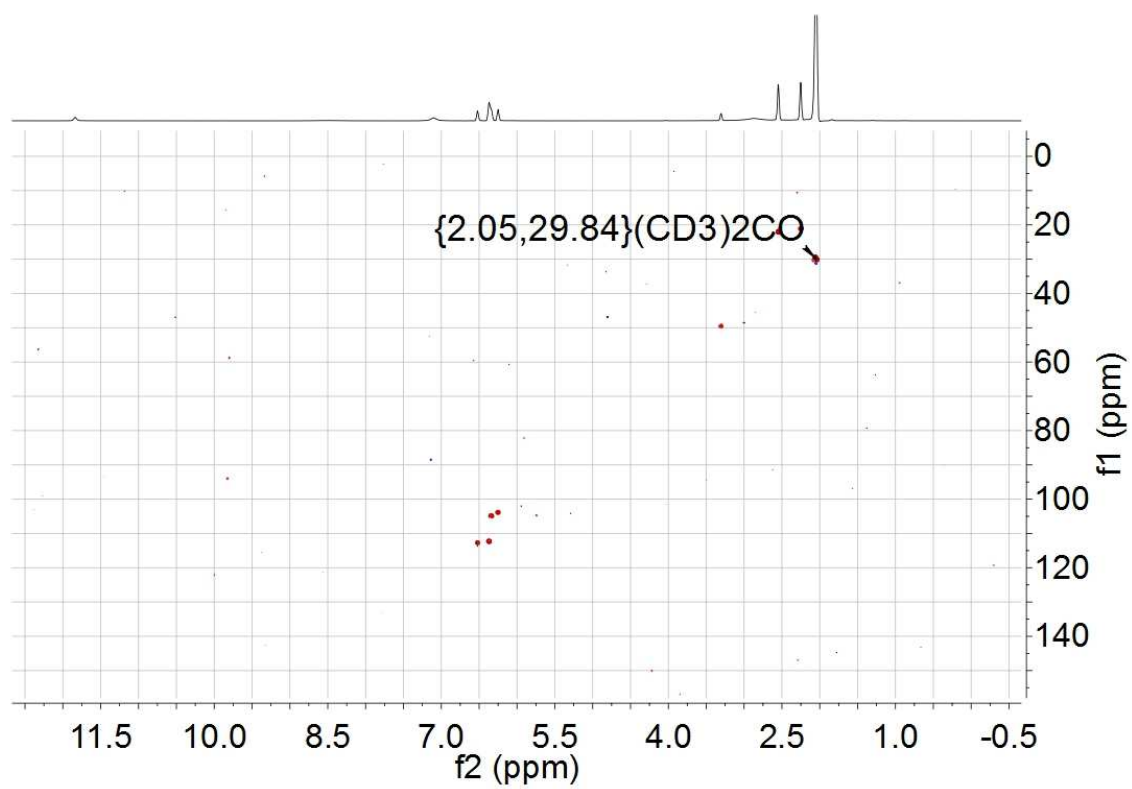
S36. COSY spectrum of compound (8) in acetone- d_6



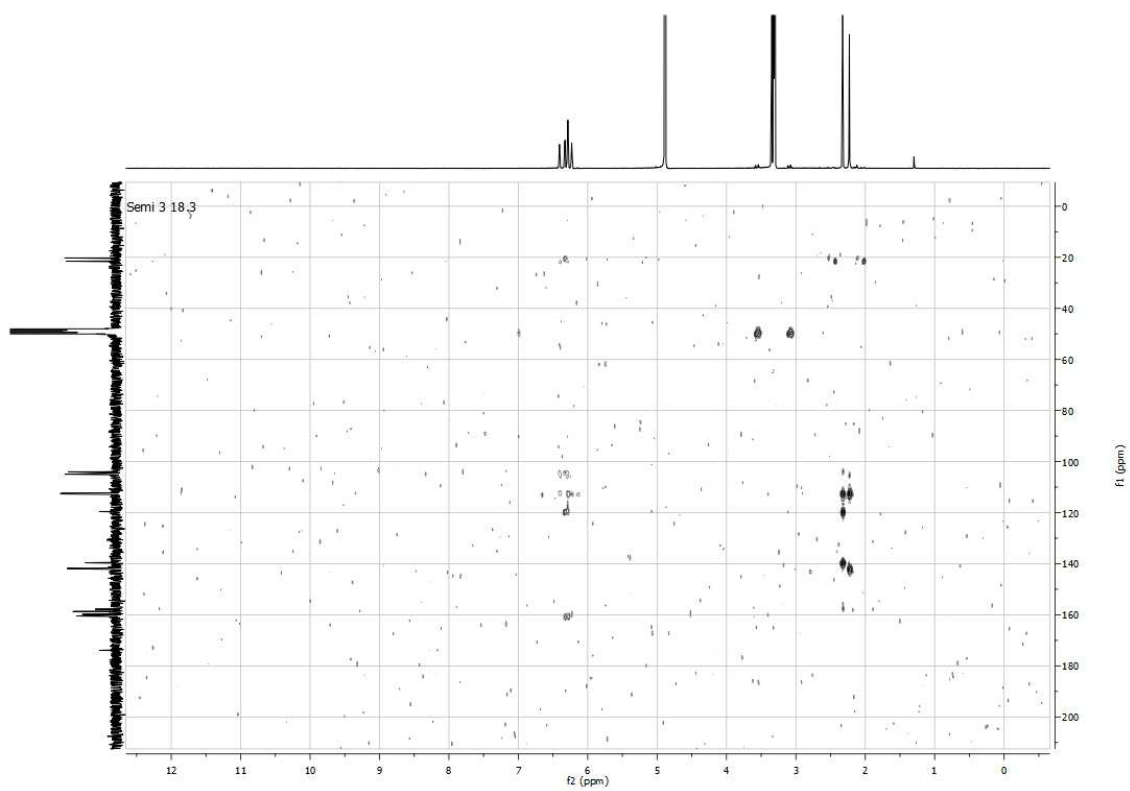
S37. ^{13}C NMR spectrum of compound (**8**) in $\text{MeOH-}d_4$



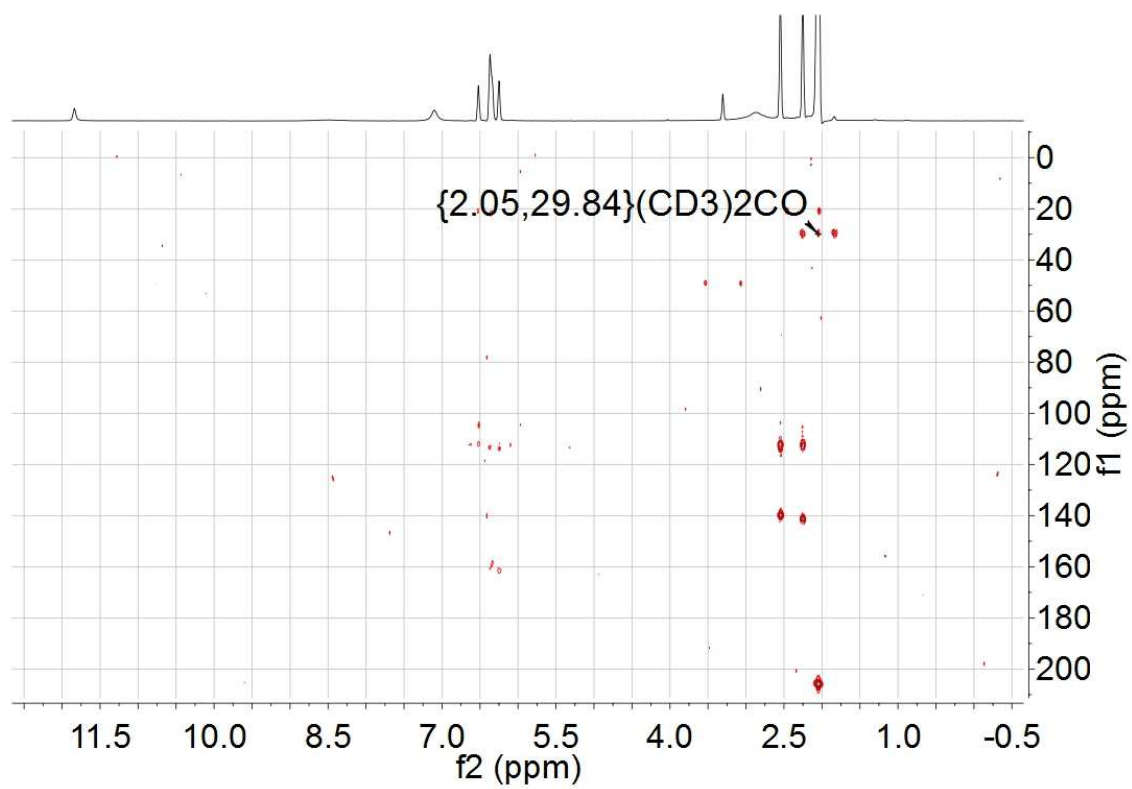
S38. HMQC spectrum of compound (8) in MeOH- d_4



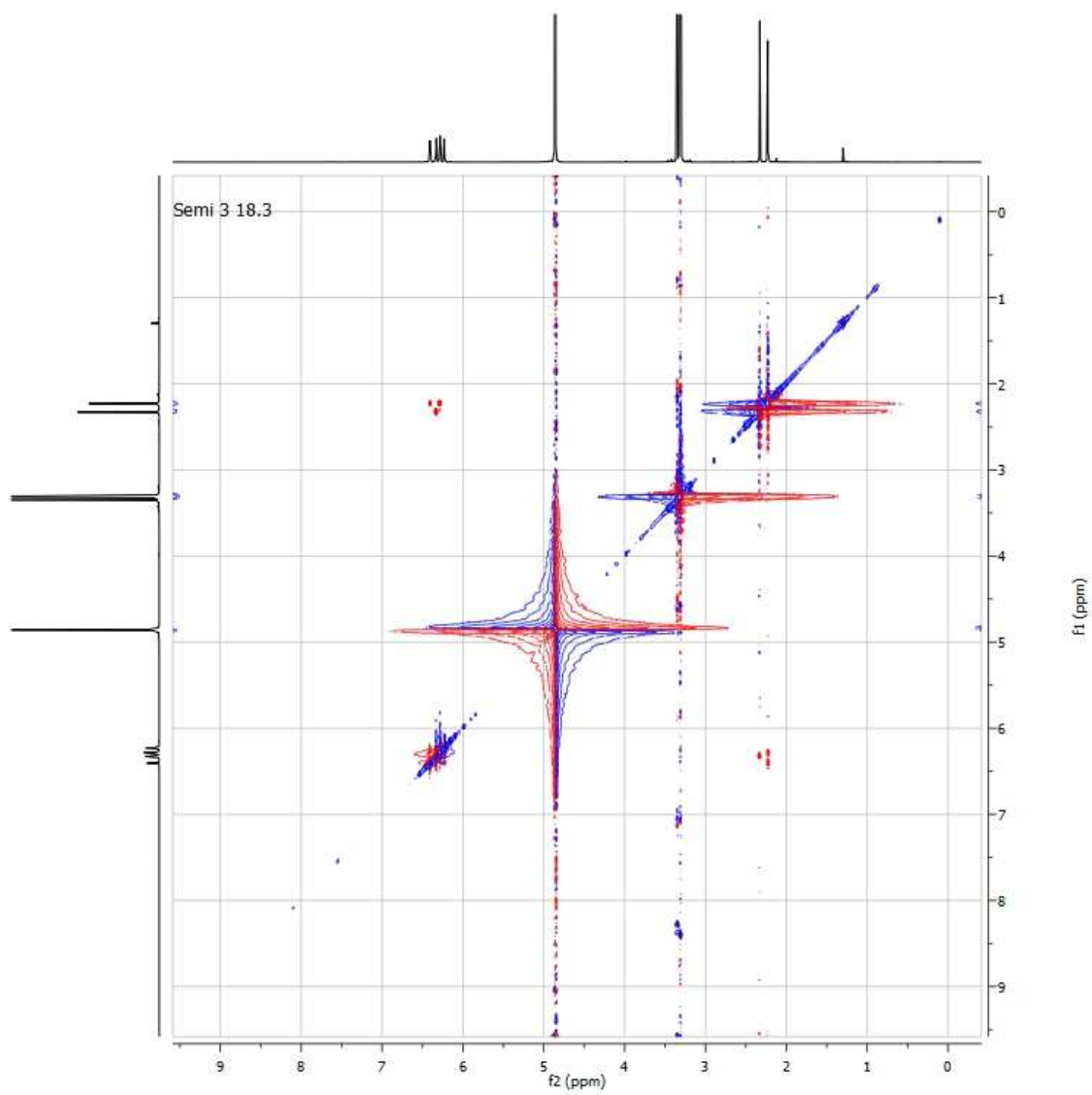
S39. HMBC spectrum of compound (8) in MeOH- d_4



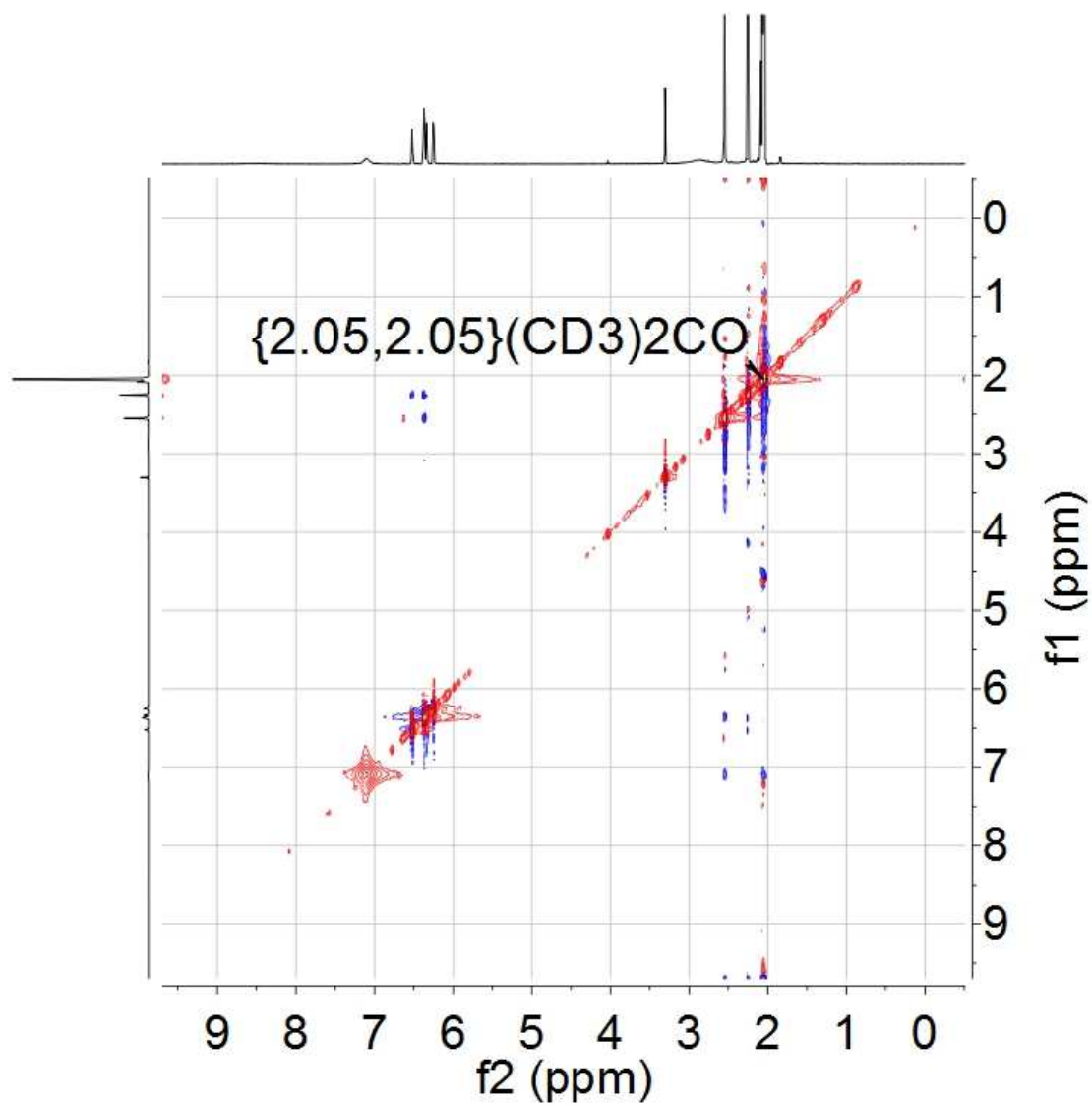
S40. HMBC spectrum of compound (8) in acetone- d_6



S41. ROESY spectrum of compound (8) in MeOH- d_4



S42. ROESY spectrum of compound (8) in acetone- d_6



S43. HRESIMS of compound (8)

Mass Spectrum SmartFormula Report

Analysis Info

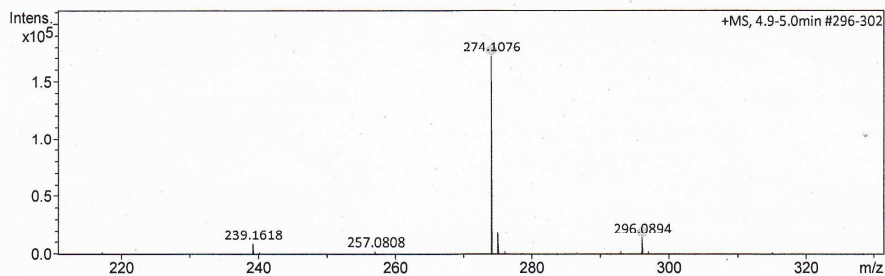
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Operator Peter Tommes
 Instrument maXis 288882.20213

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