

Supplementary Materials

20131010S1
20131010S1 1H 20131123

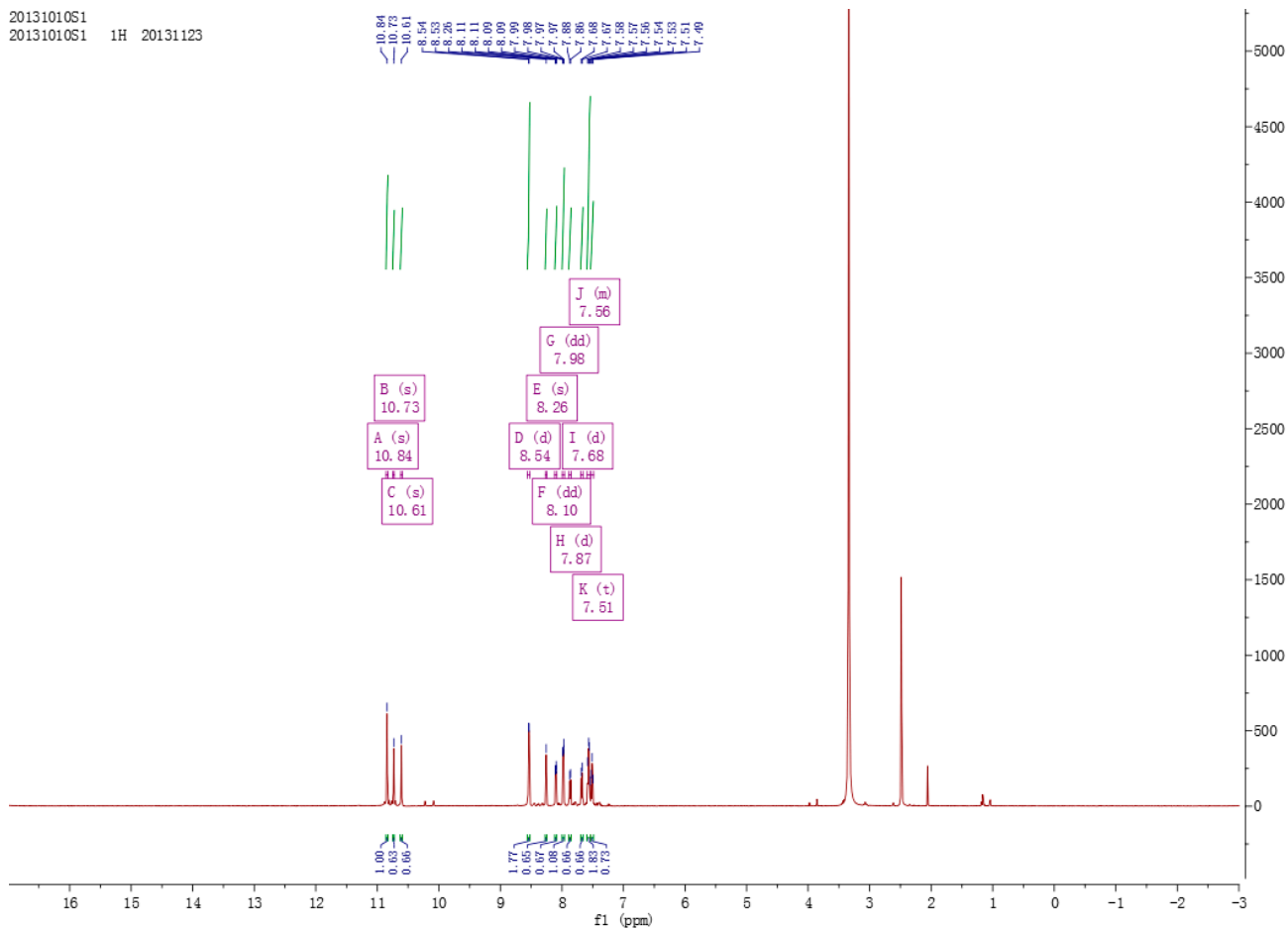


Figure S1. $^1\text{H-NMR}$ of compound **3a**.

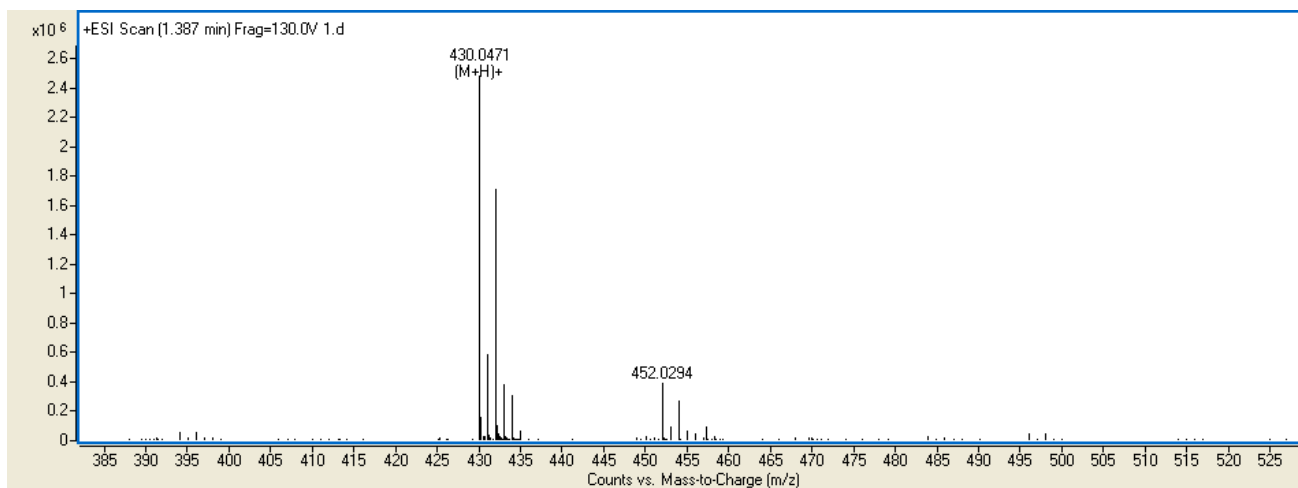


Figure S2. HR-ESI-MS of compound **3a**.

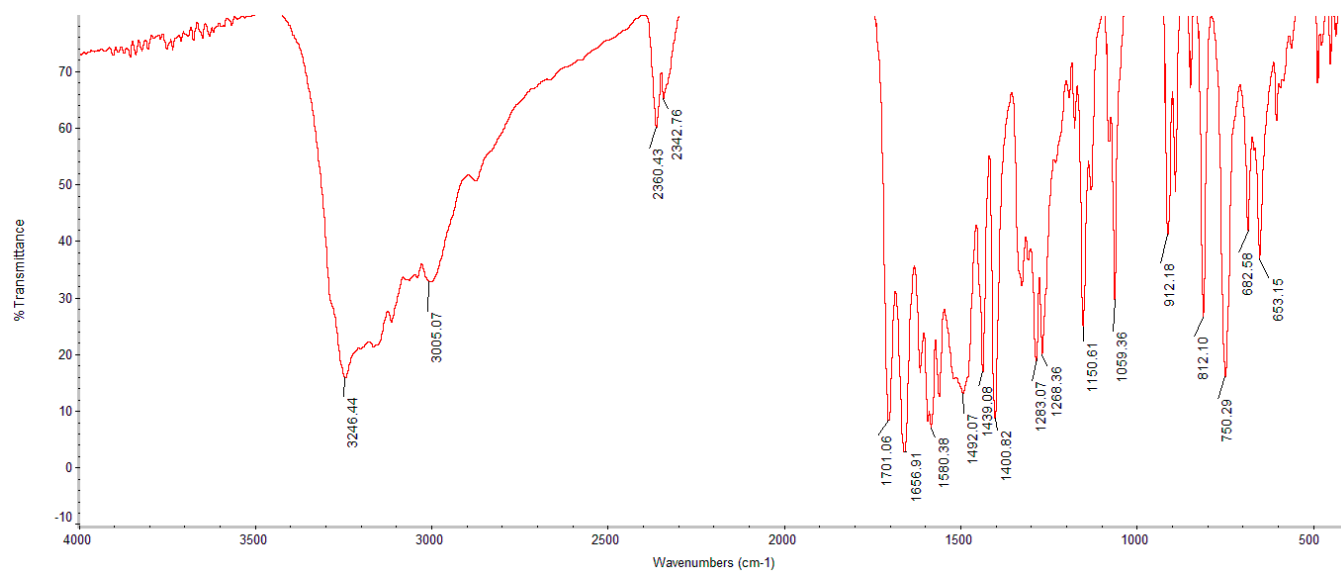


Figure S3. IR of compound 3a.

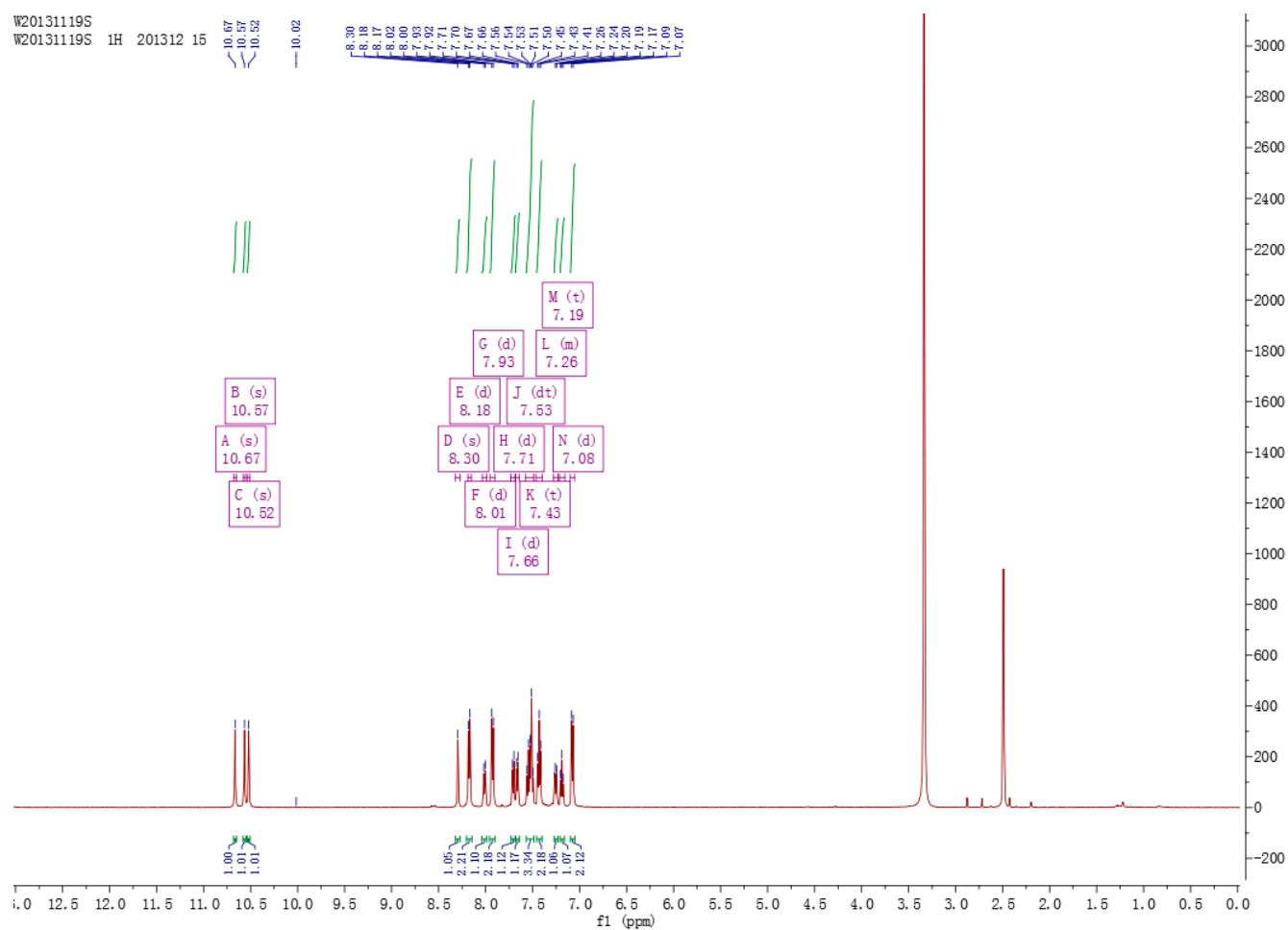


Figure S4. ¹H-NMR of compound 3b.

W20131119S #529 RT: 5.19 AV: 1 NL: 8.66E8
T: FTMS + p ESI Full ms [100.00-1500.00]

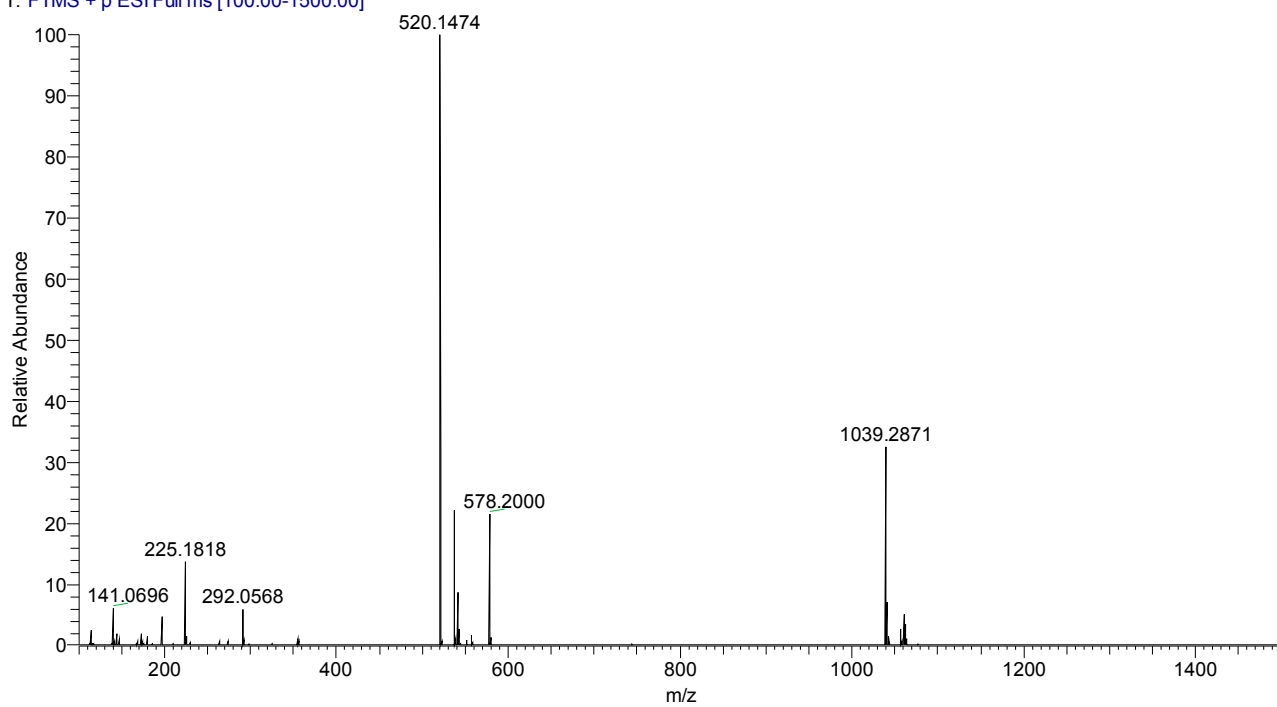


Figure S5. HR-ESI-MS of compound 3b.

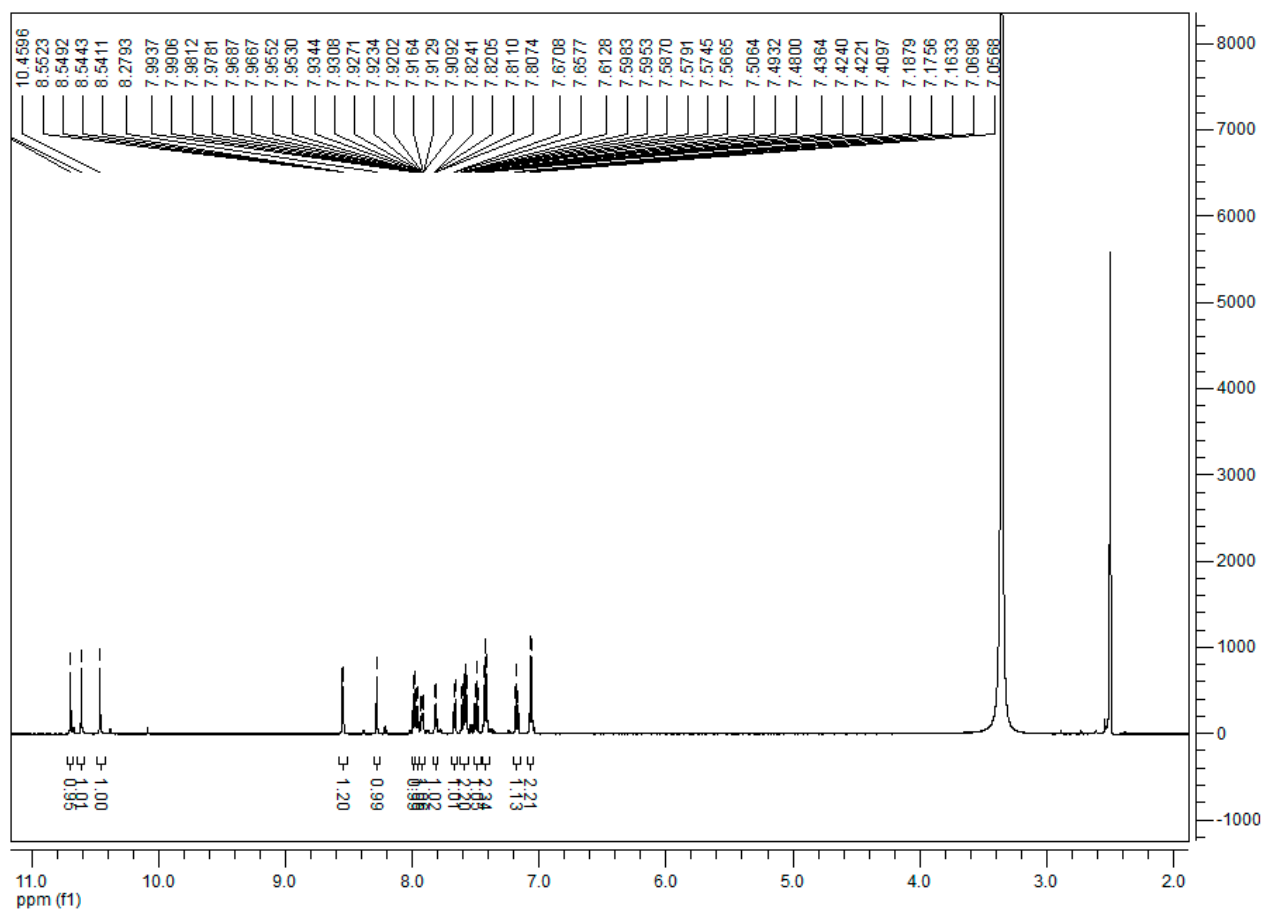


Figure S6. $^1\text{H-NMR}$ of compound 3c.

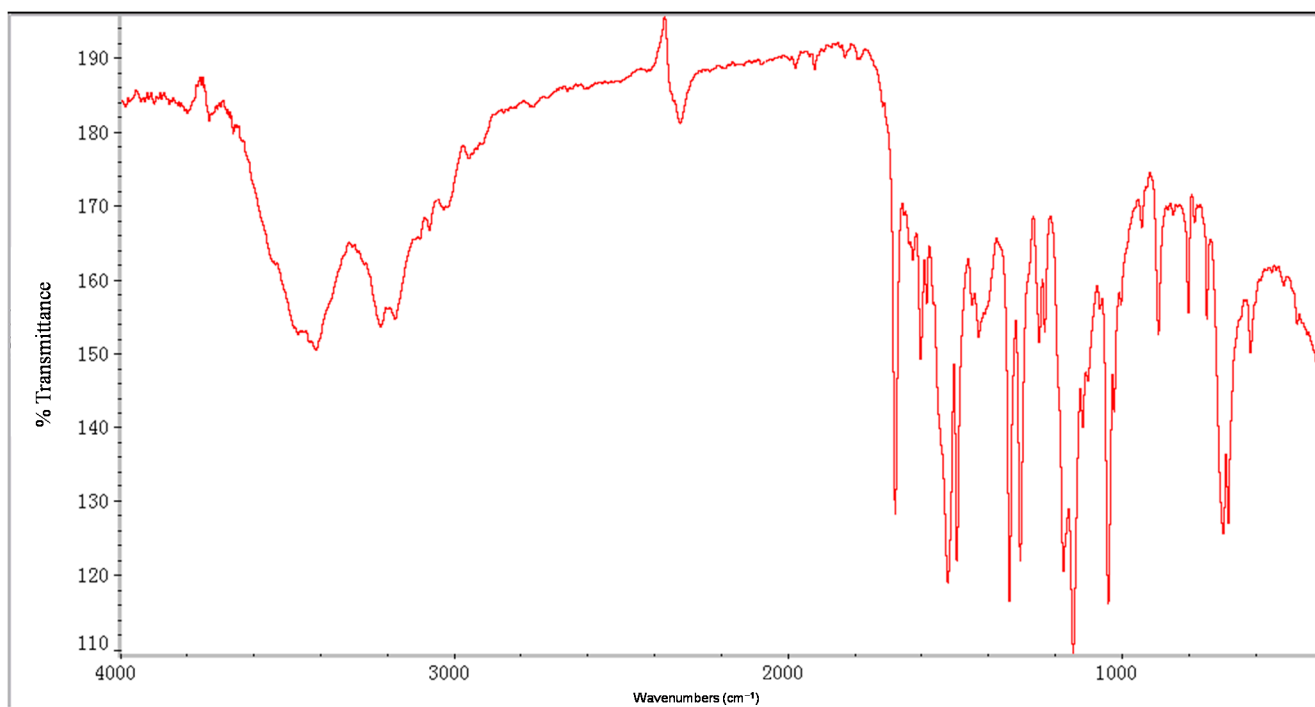
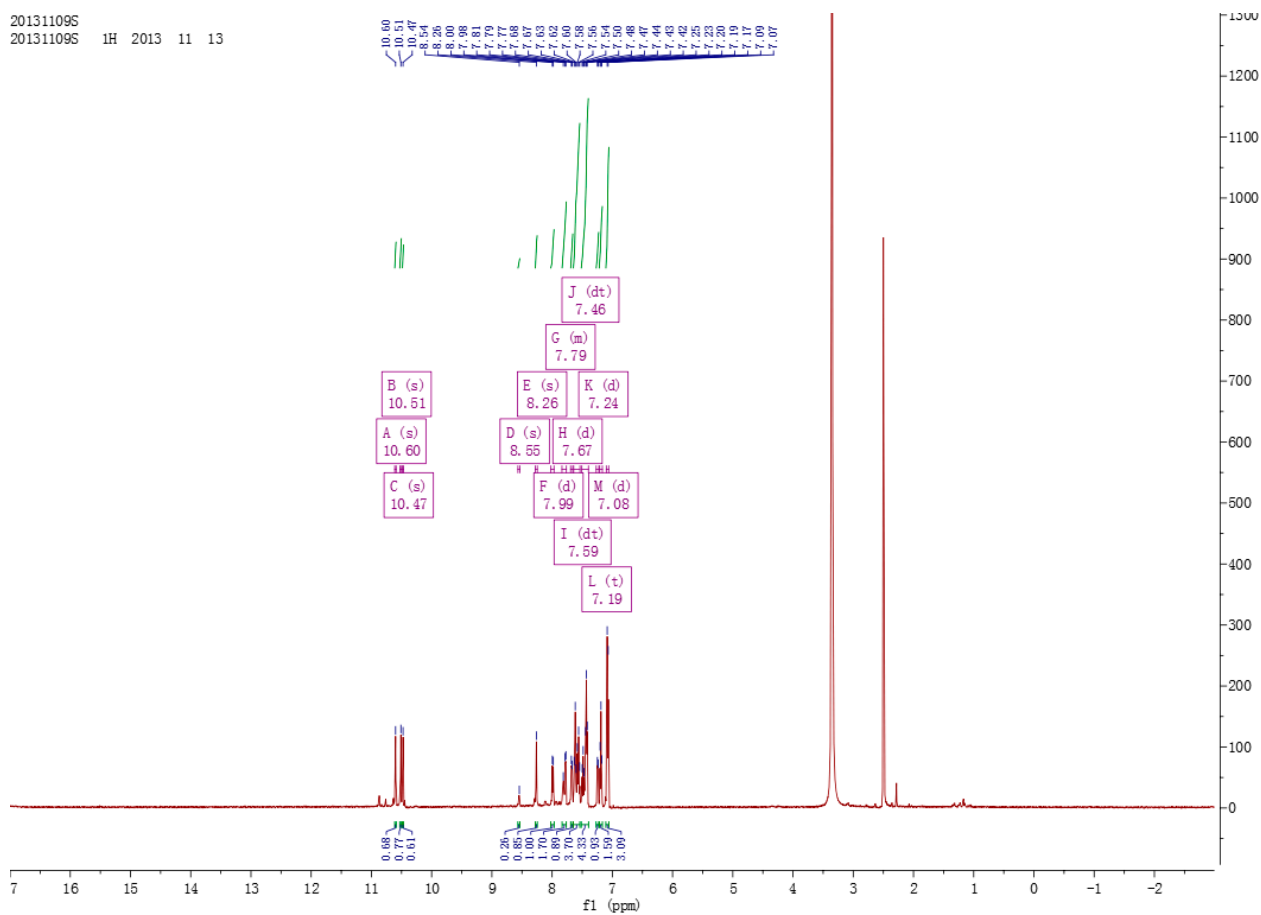


Figure S7. IR of compound 3c.

Figure S8. ¹H-NMR of compound 3d.

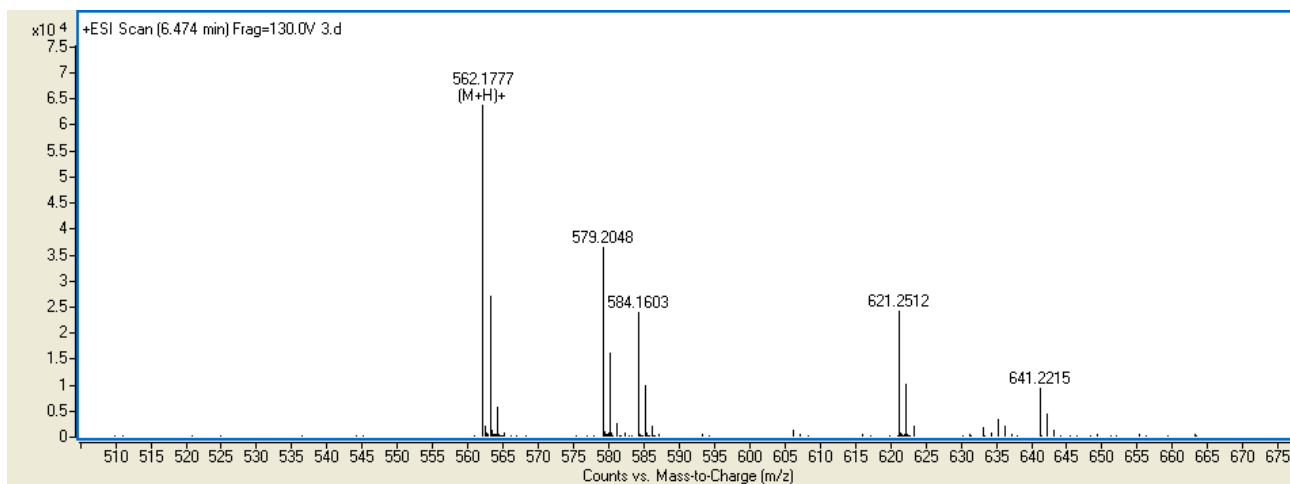


Figure S9. HR-ESI-MS of compound **3d**.

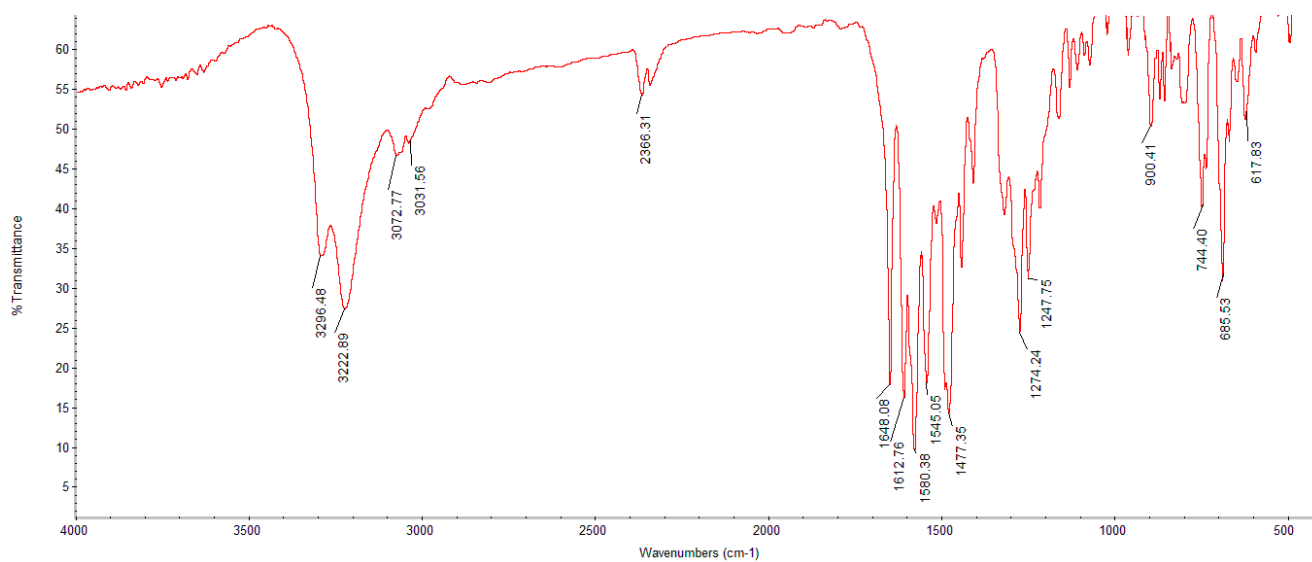


Figure S10. IR of compound **3d**.

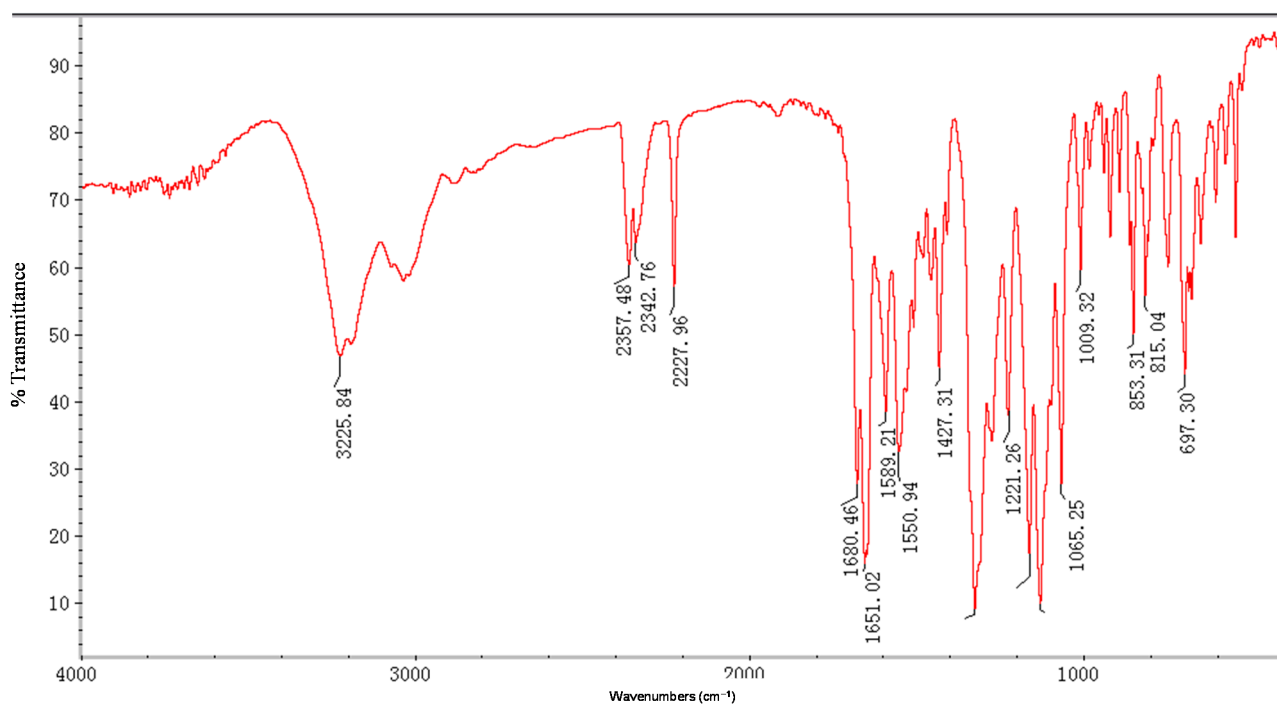


Figure S13. IR spectra of compound 4a.

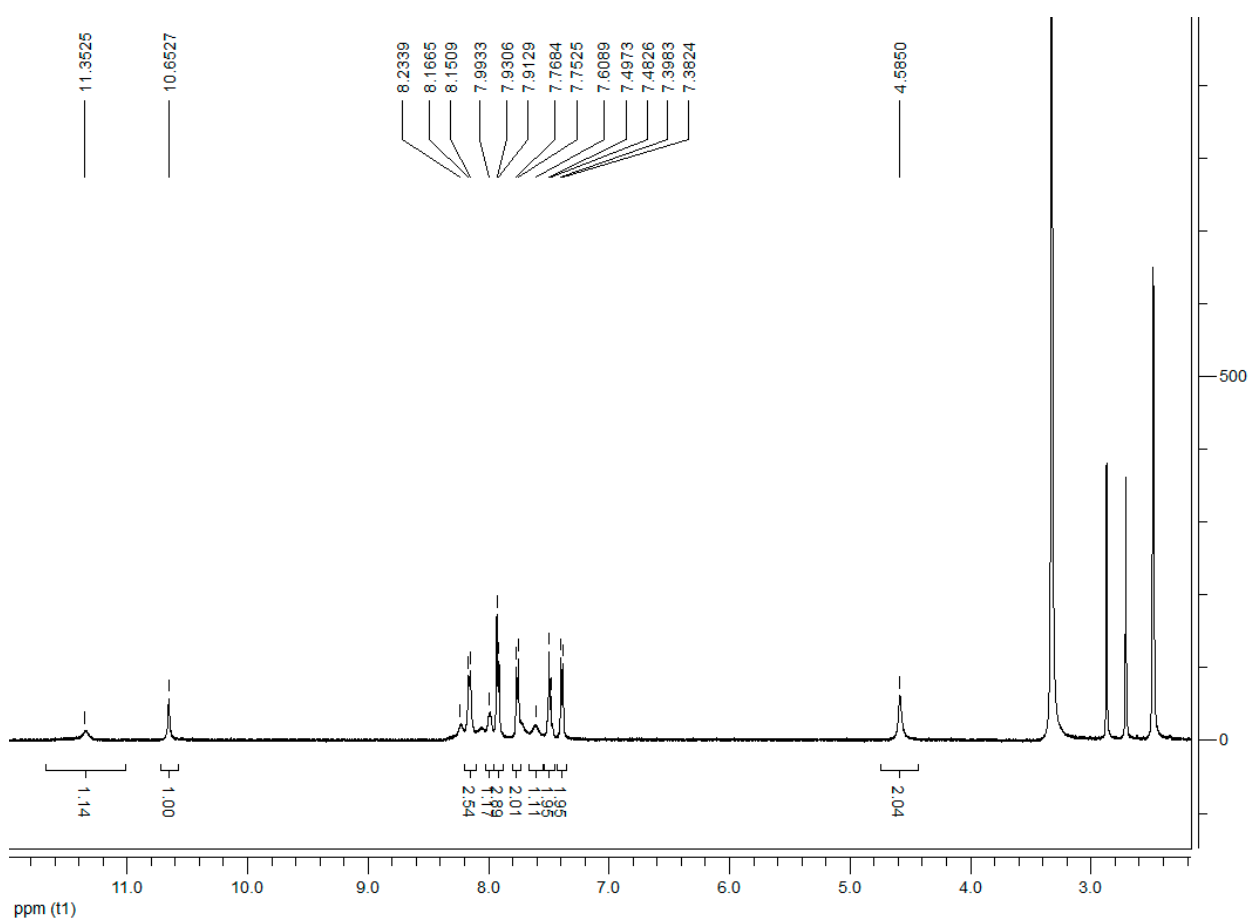


Figure S14. ¹H-NMR spectra of compound 4b.

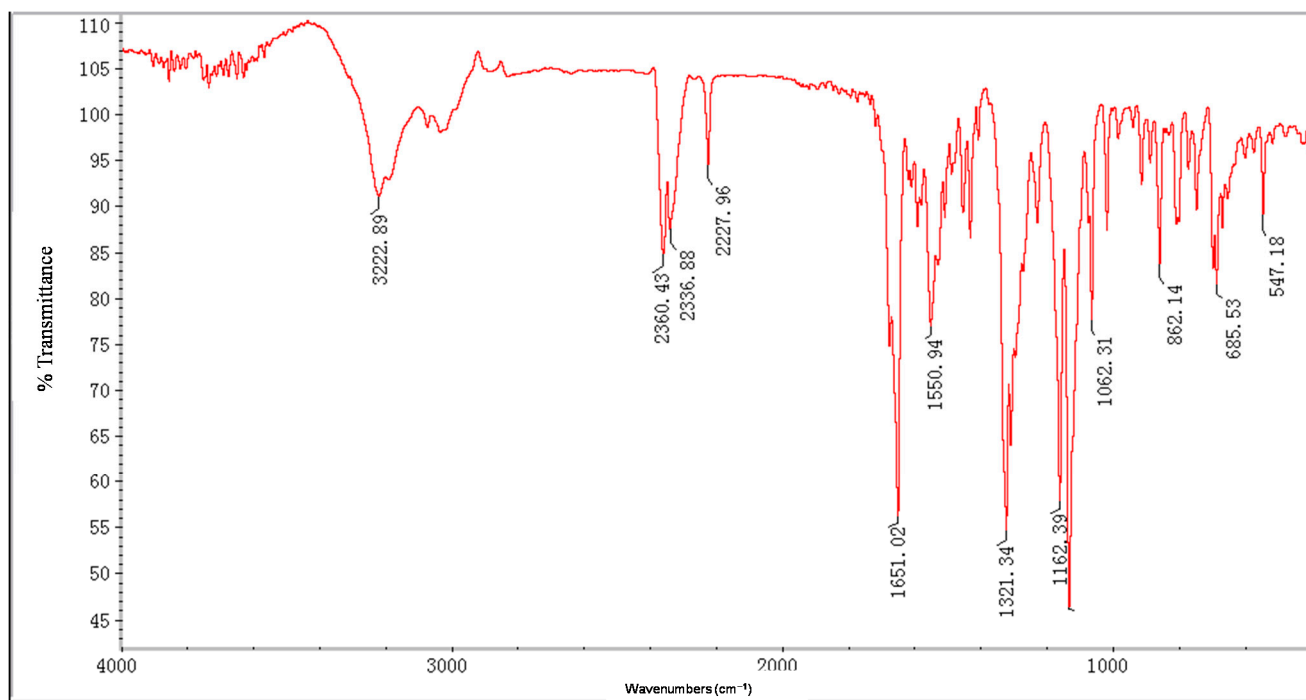


Figure S15. IR spectra of compound 4b.

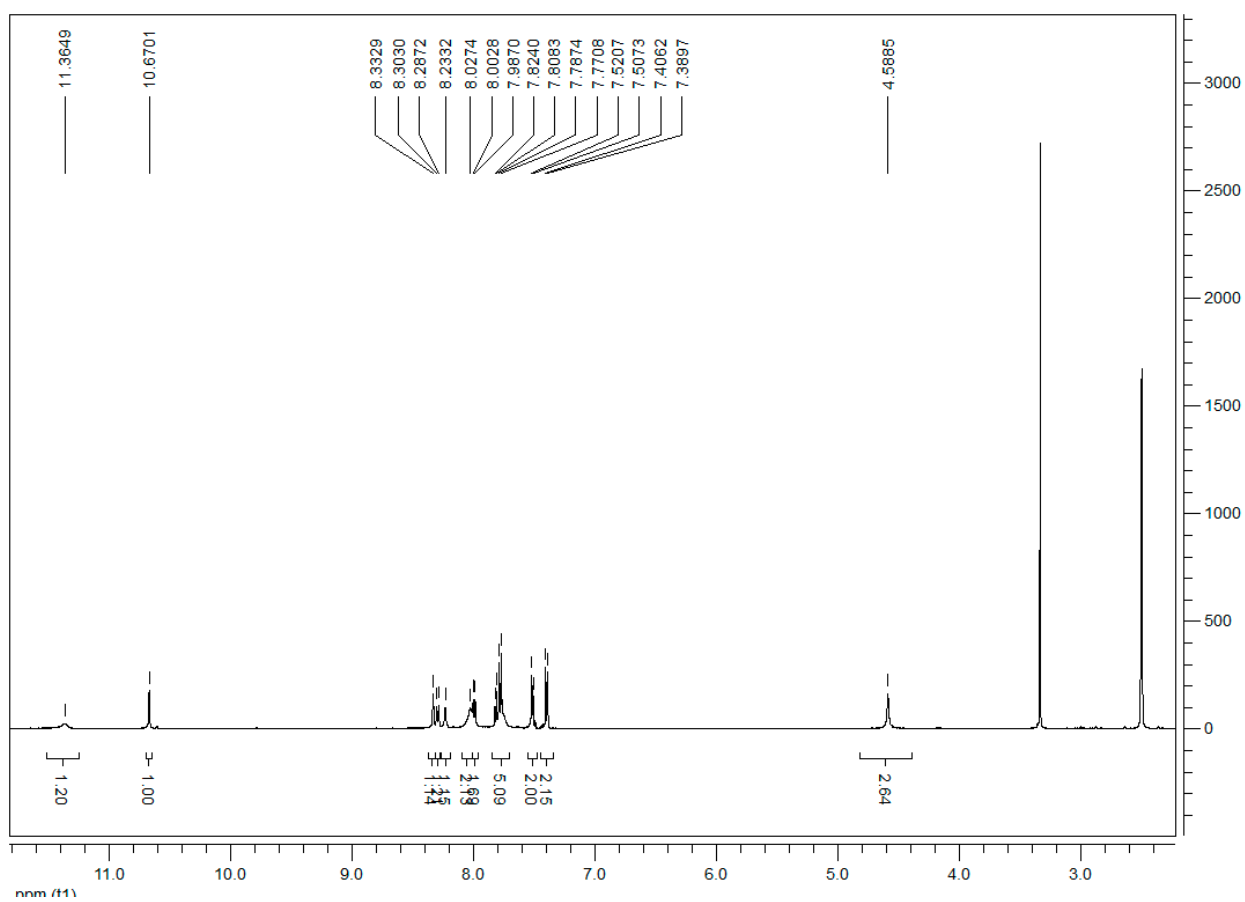


Figure S16. ¹H-NMR spectra of compound 4c.

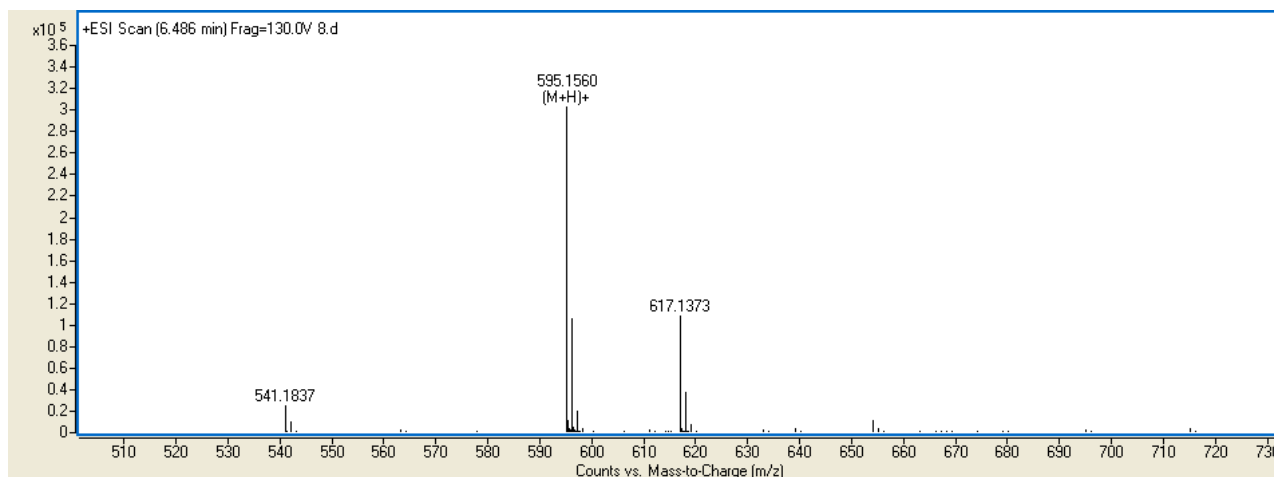


Figure S17. MS of compound 4c.

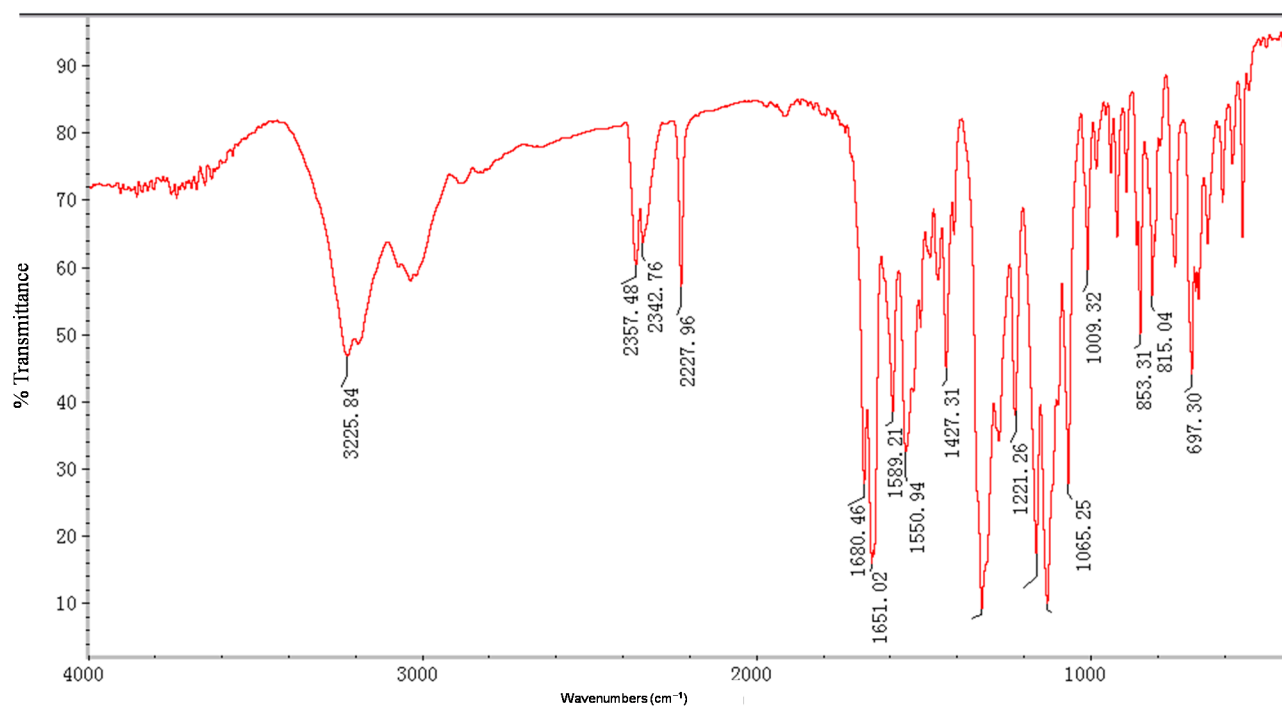


Figure S18. IR of compound 4c.

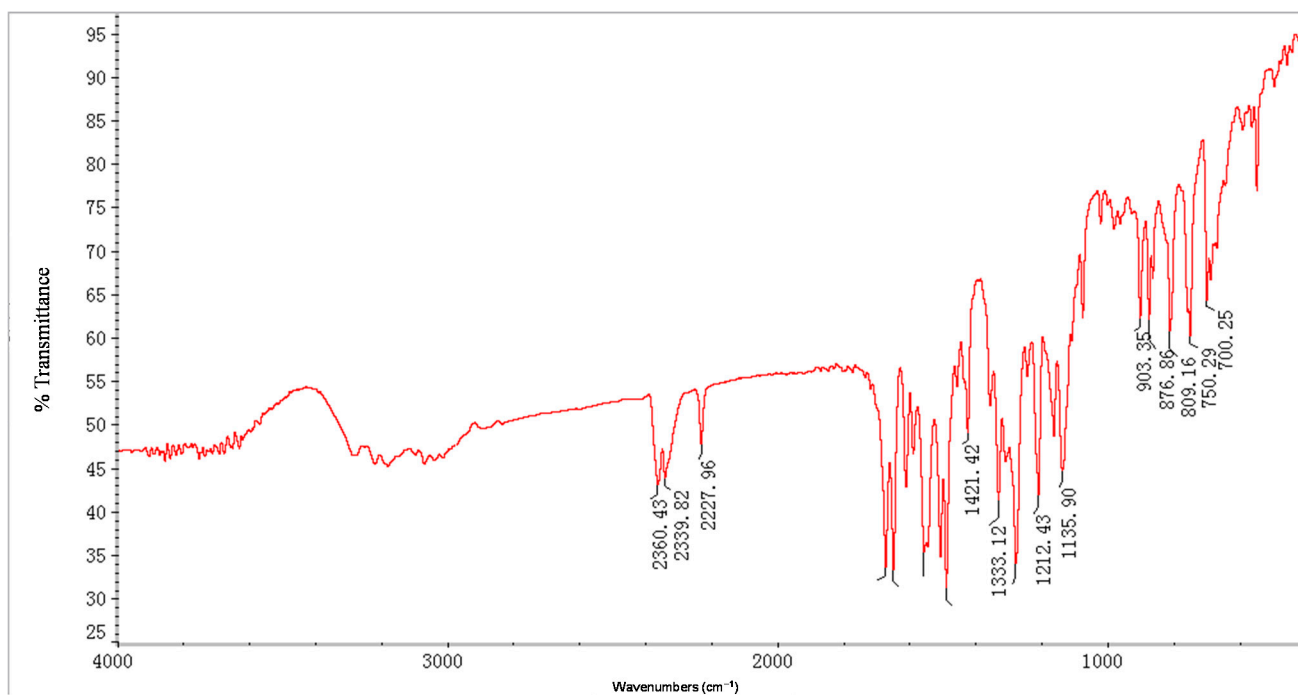


Figure S21. IR of compound 4d.

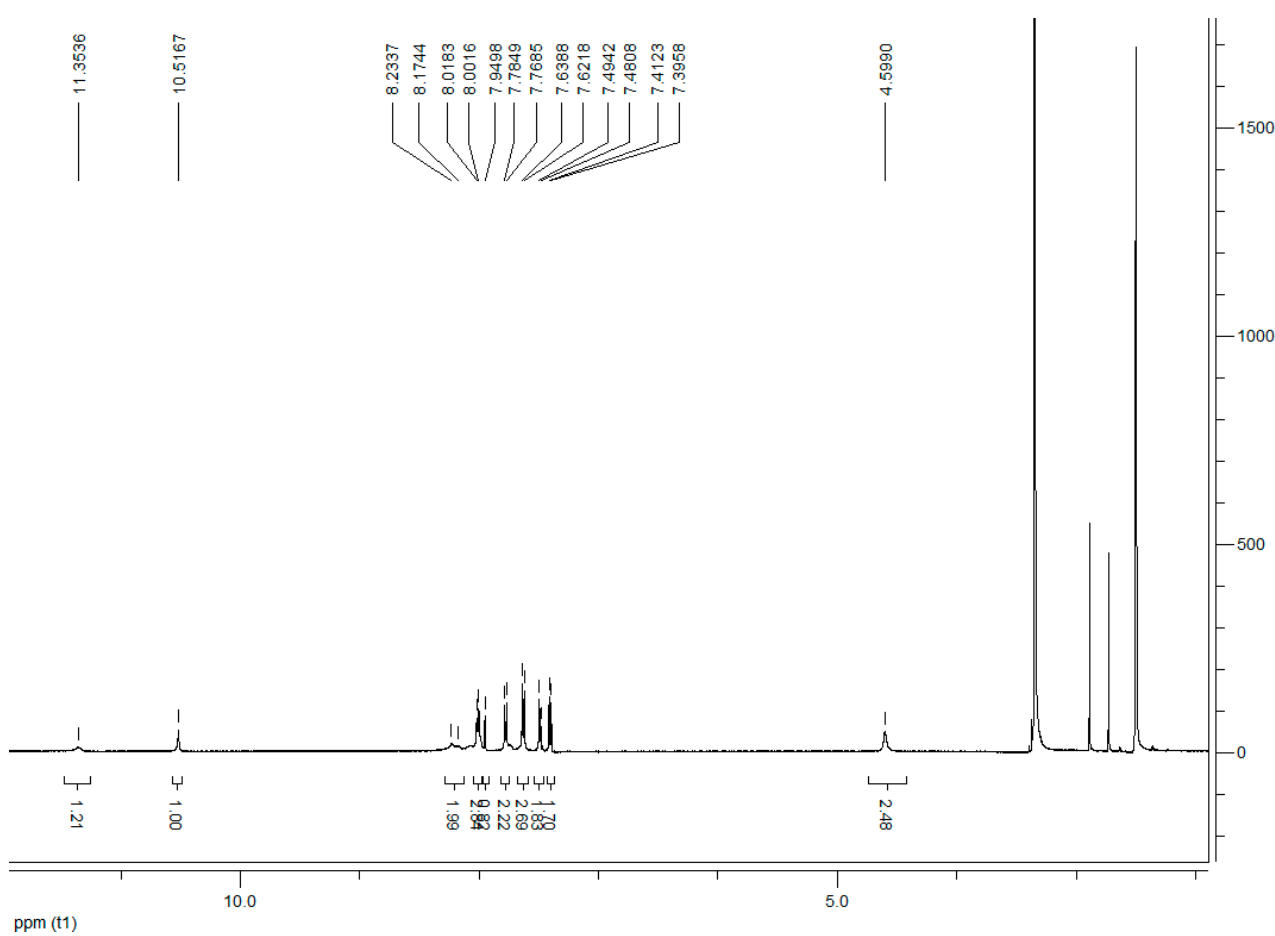


Figure S22. ¹H-NMR spectra of compound 4e.

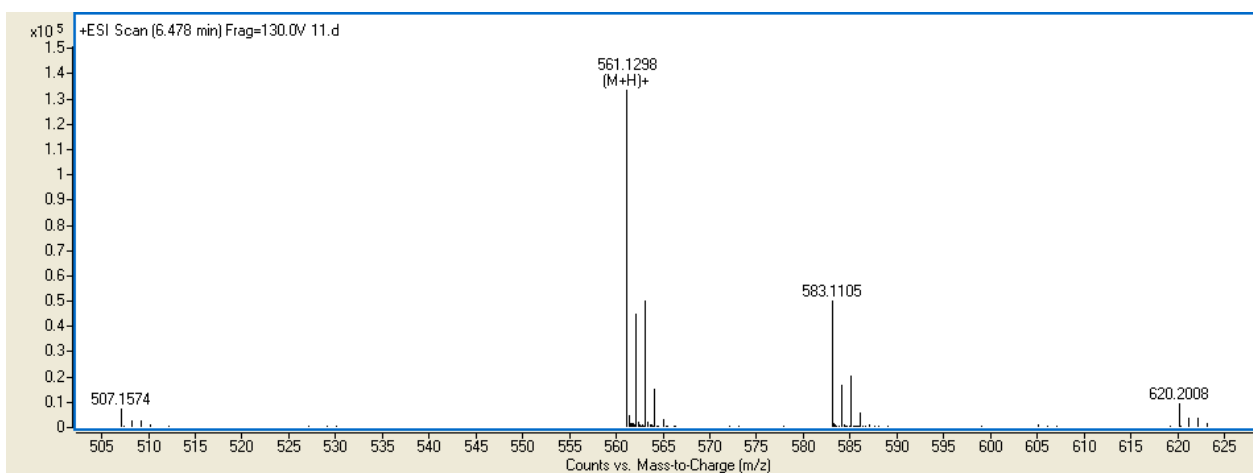


Figure S23. MS of compound 4e.

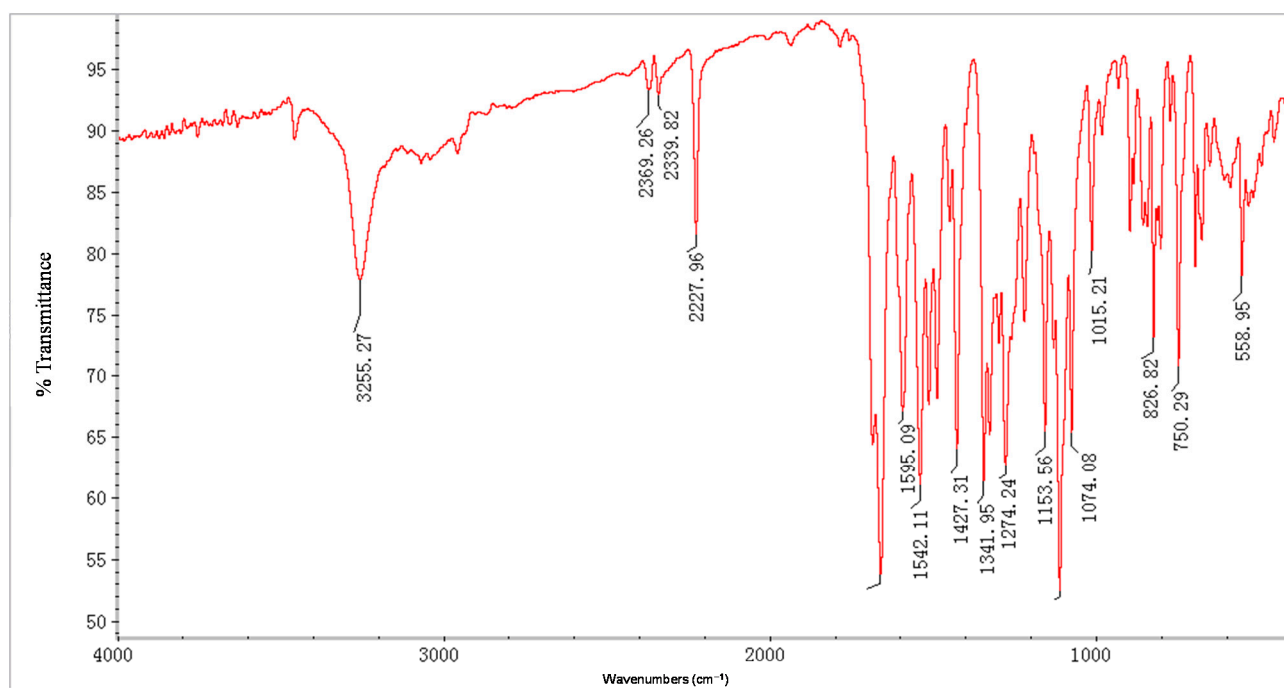


Figure S24. IR of compound 4e.

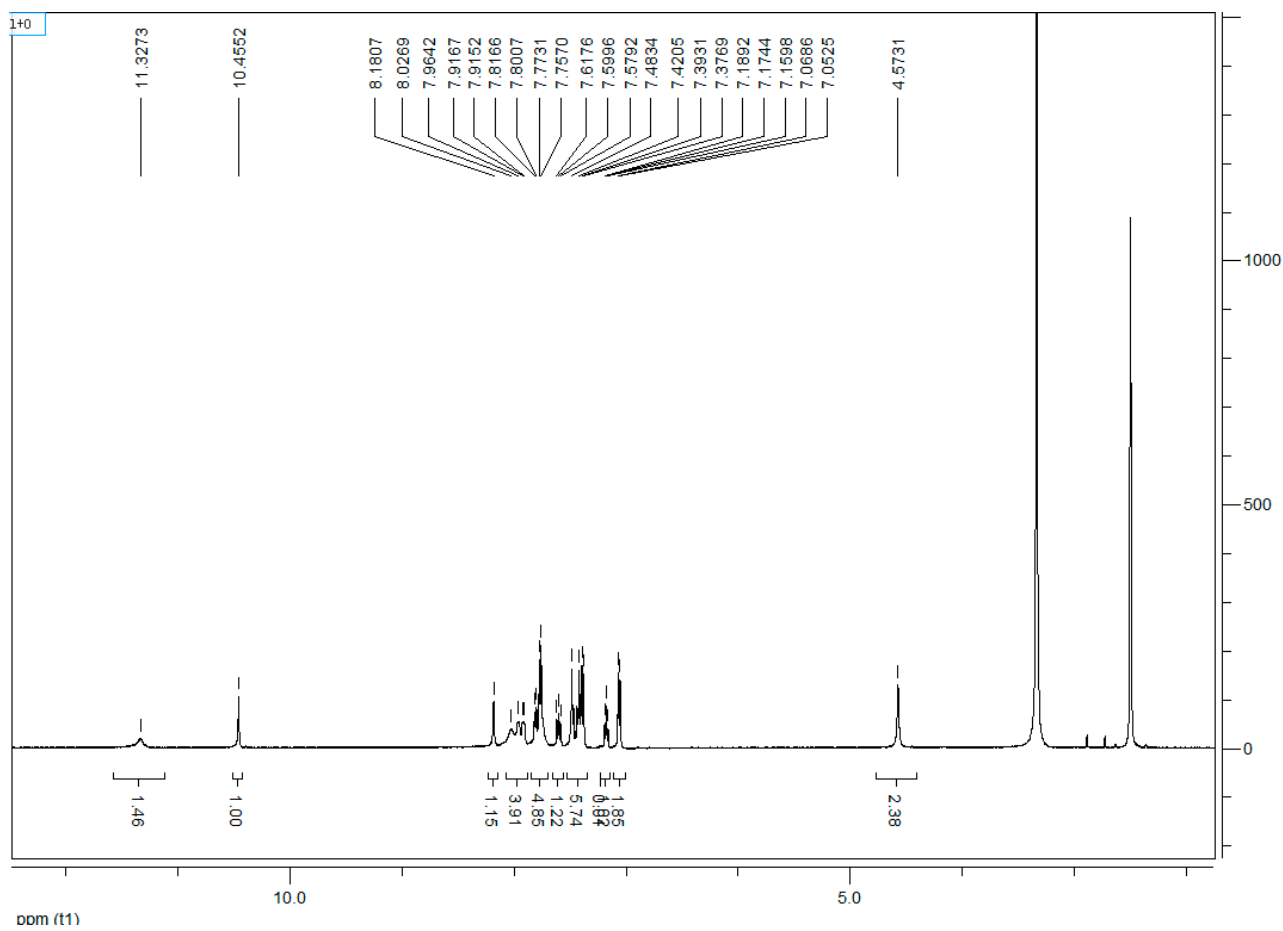


Figure S25. $^1\text{H-NMR}$ spectra of compound **4f**.

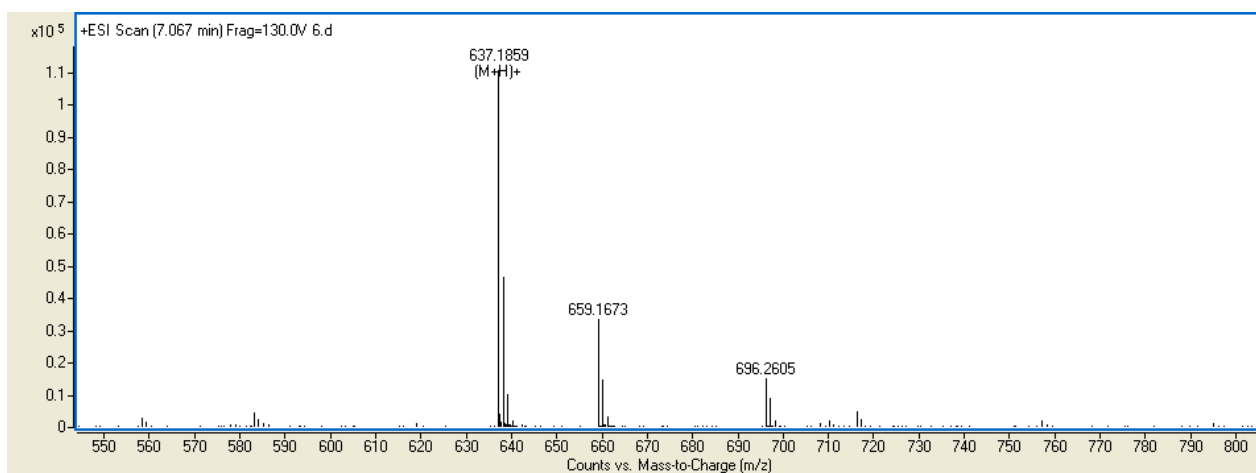


Figure S26. MS of compound **4f**.

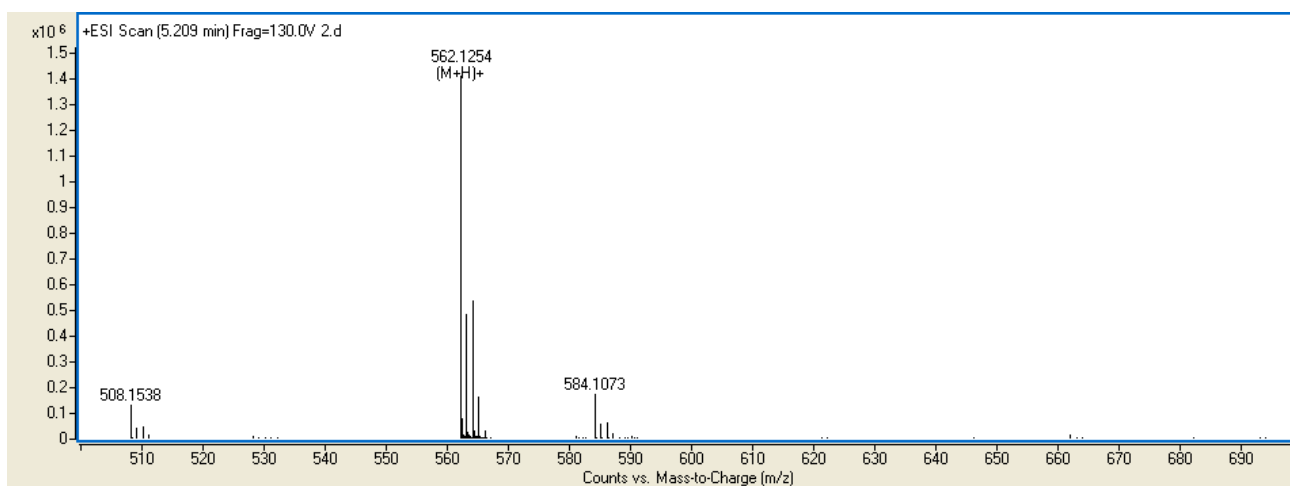


Figure S29. MS spectra of compound **4g**.

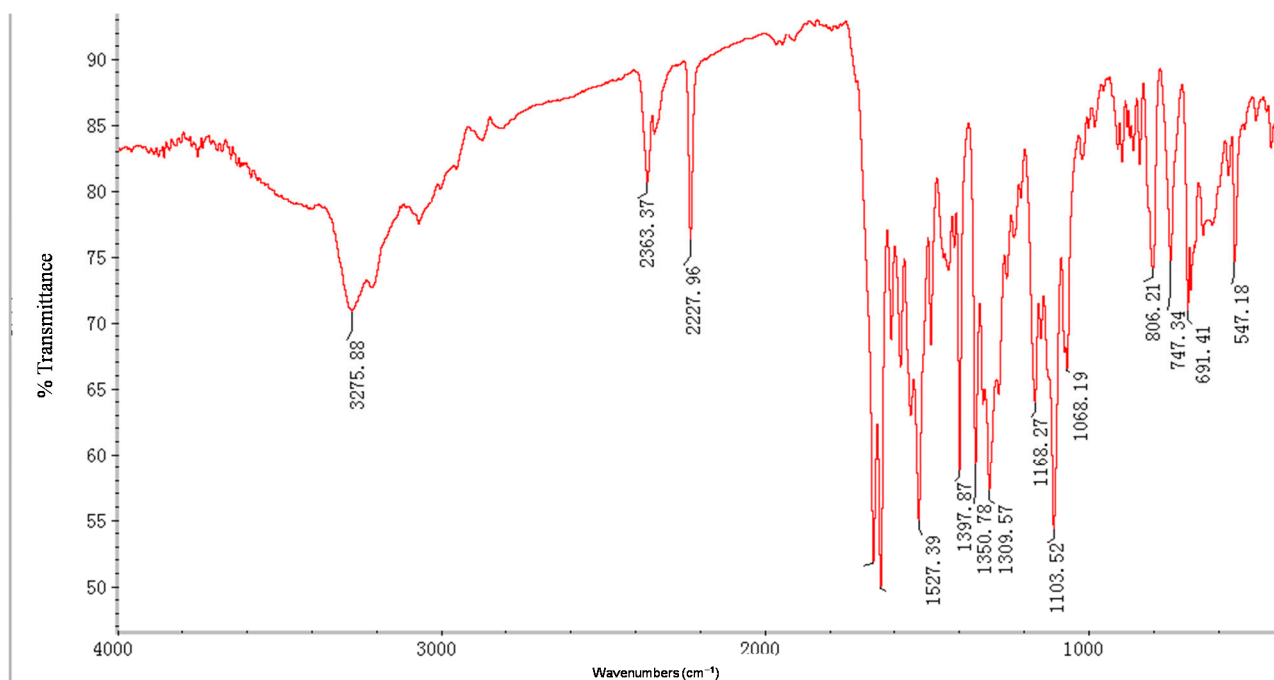


Figure S30. IR spectra of compound **4g**.

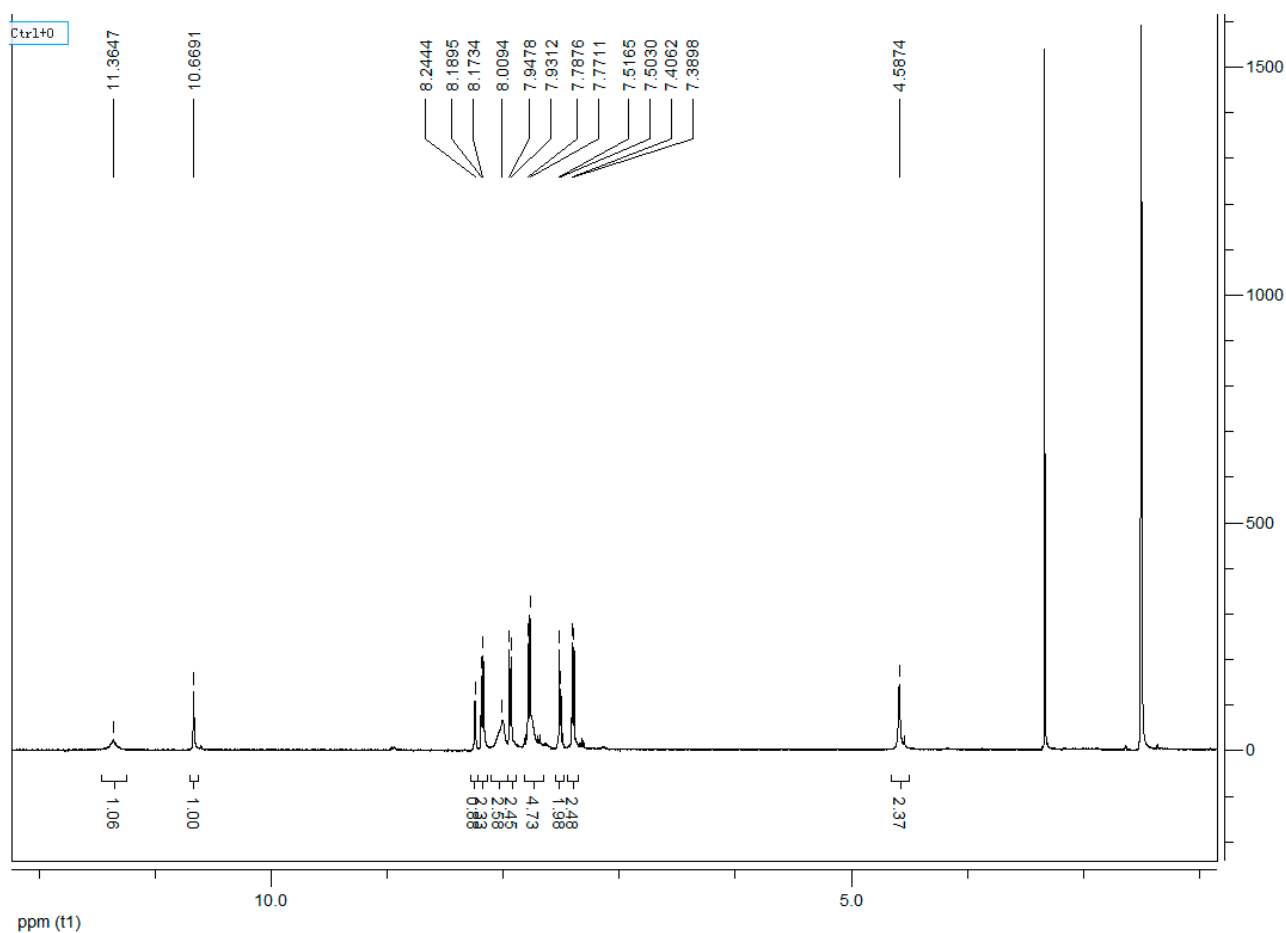


Figure S31. $^1\text{H-NMR}$ spectra of compound **4h**.

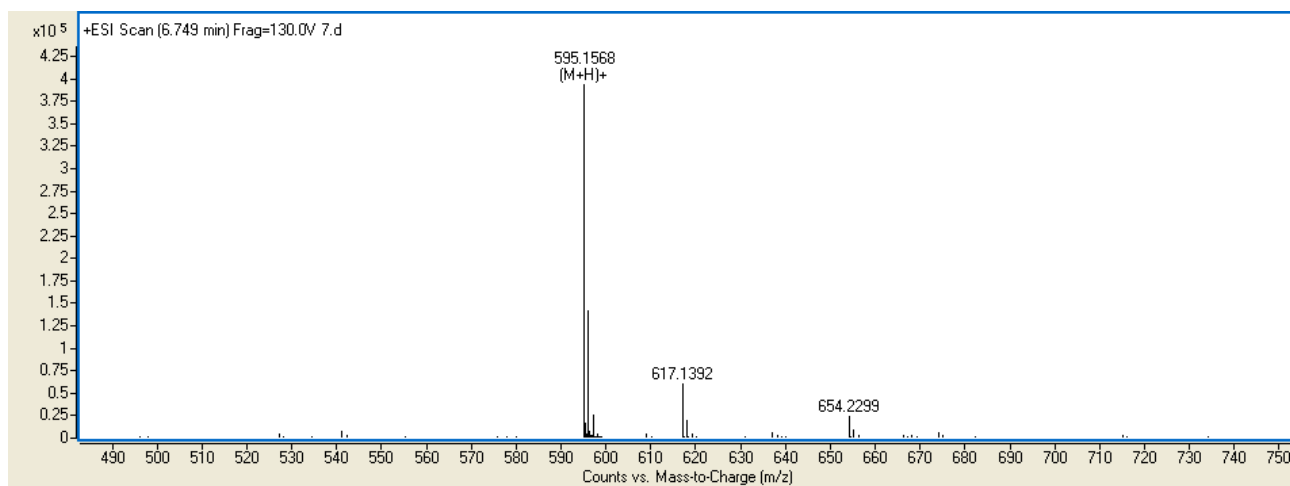


Figure S32. MS of compound **4h**.

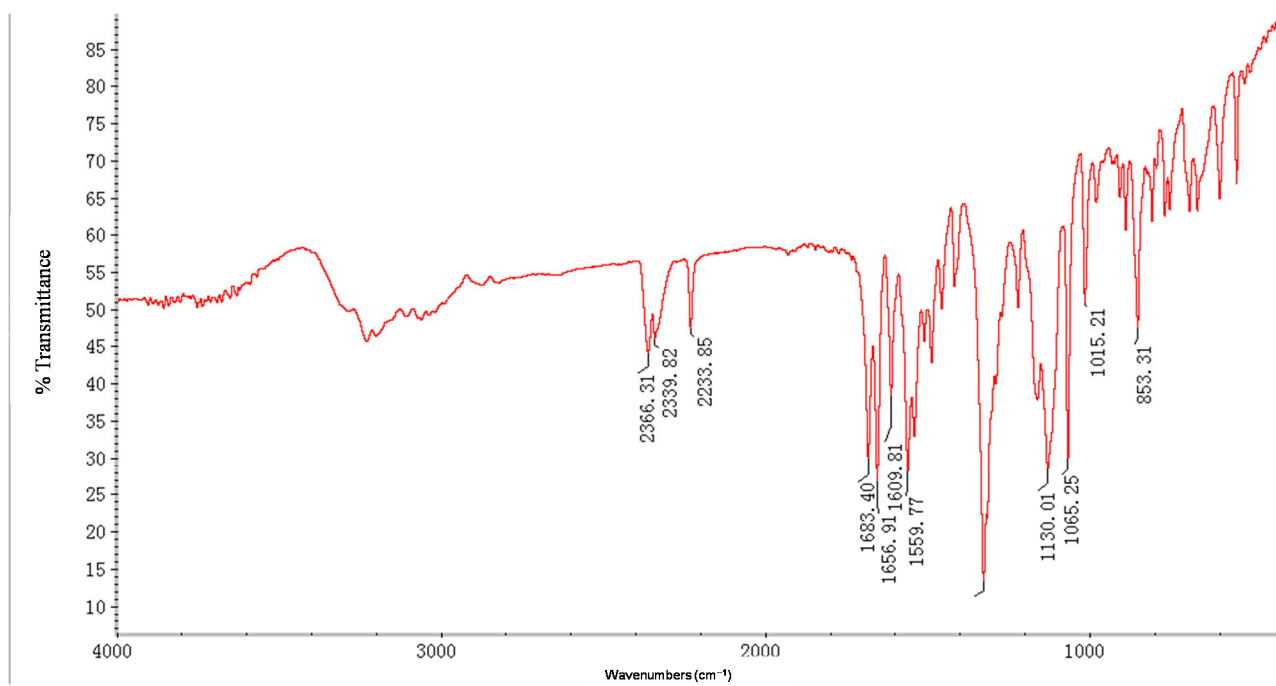
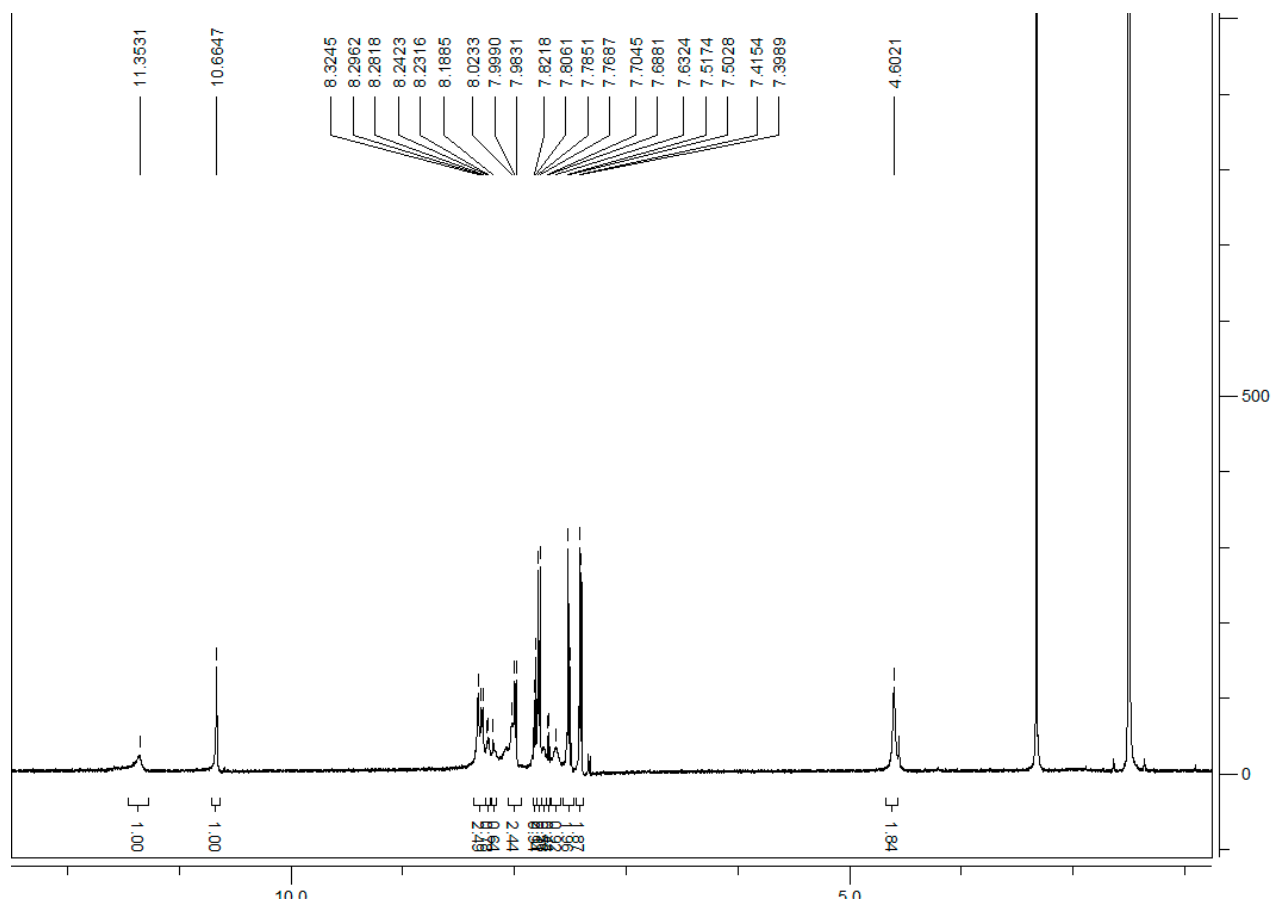


Figure S33. IR of compound 4h.

Figure S34. ¹H-NMR spectra of compound 4i.

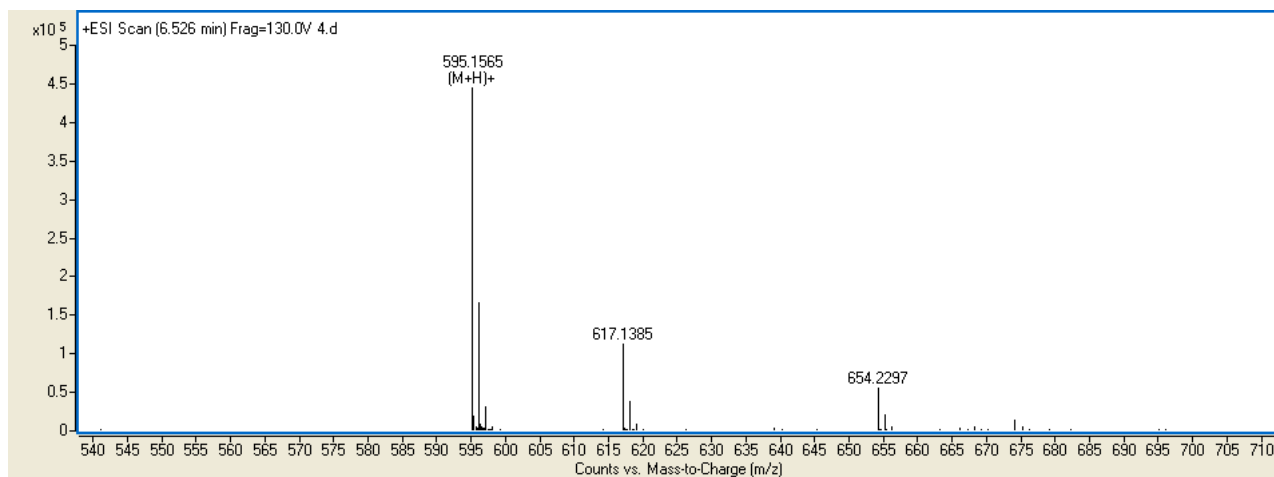


Figure S35. MS spectra of compound 4i.

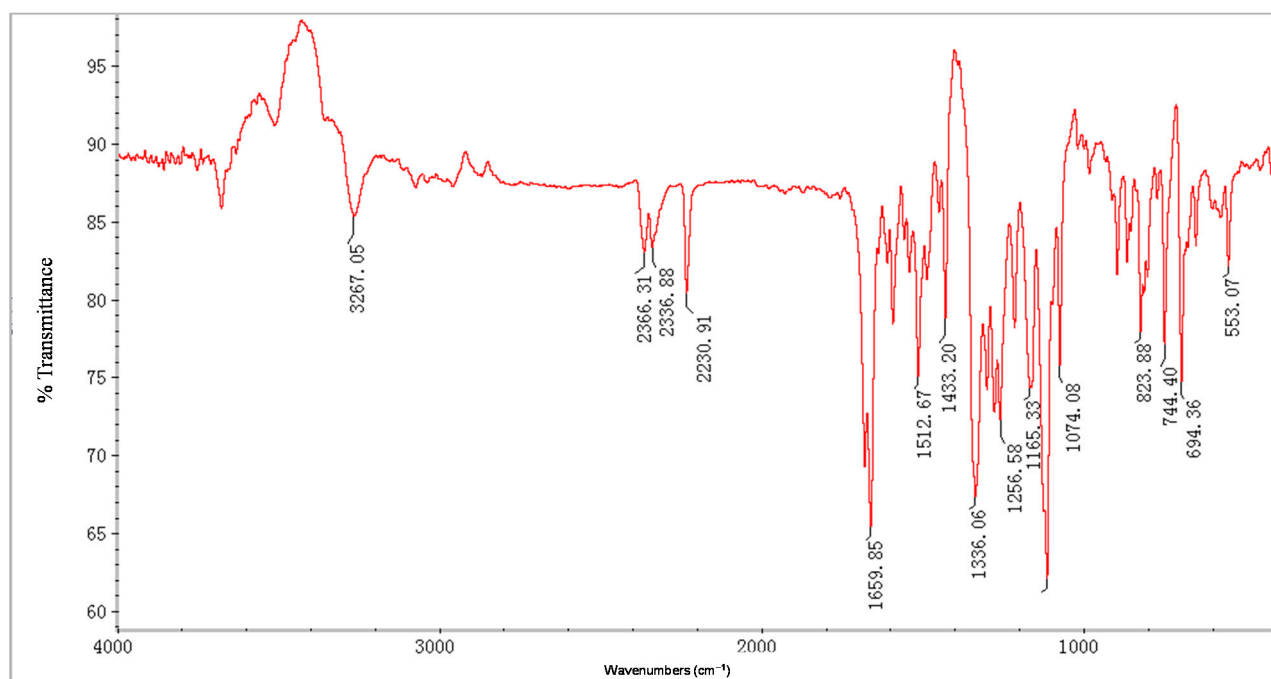


Figure S36. IR spectra of compound 4i.

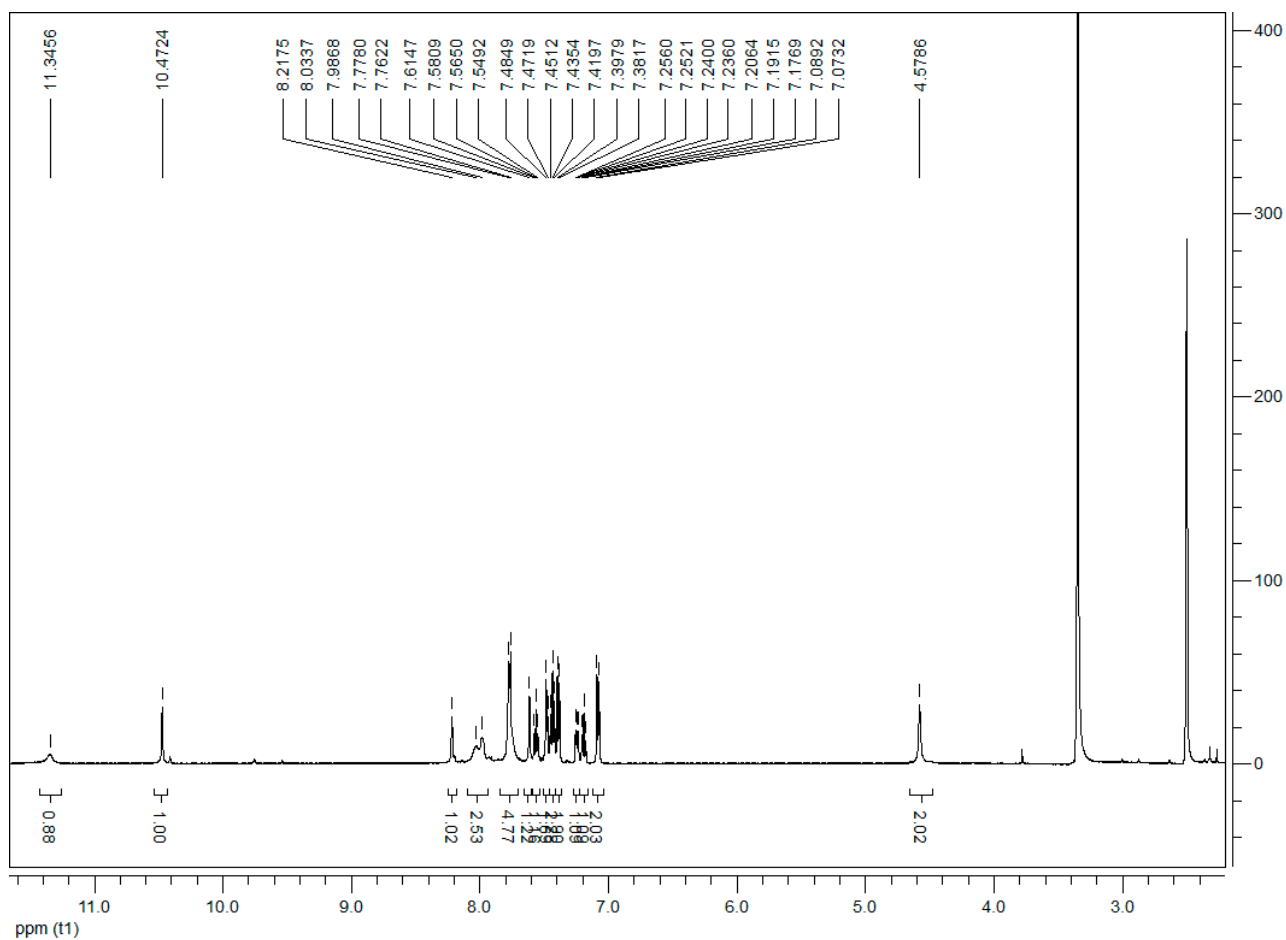


Figure S37. $^1\text{H-NMR}$ spectra of compound **4j**.

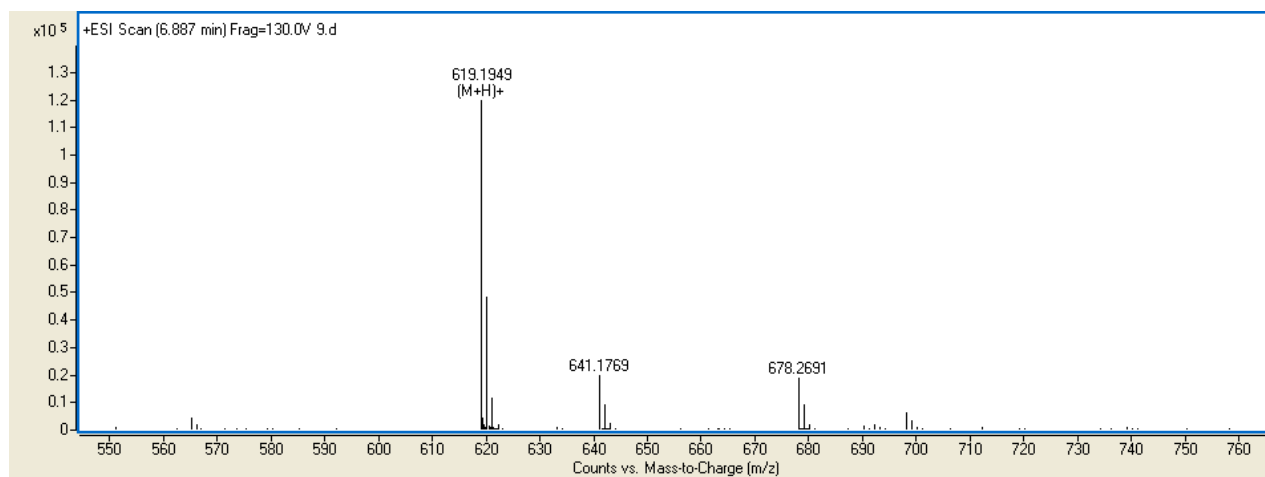


Figure S38. MS of compound **4j**.

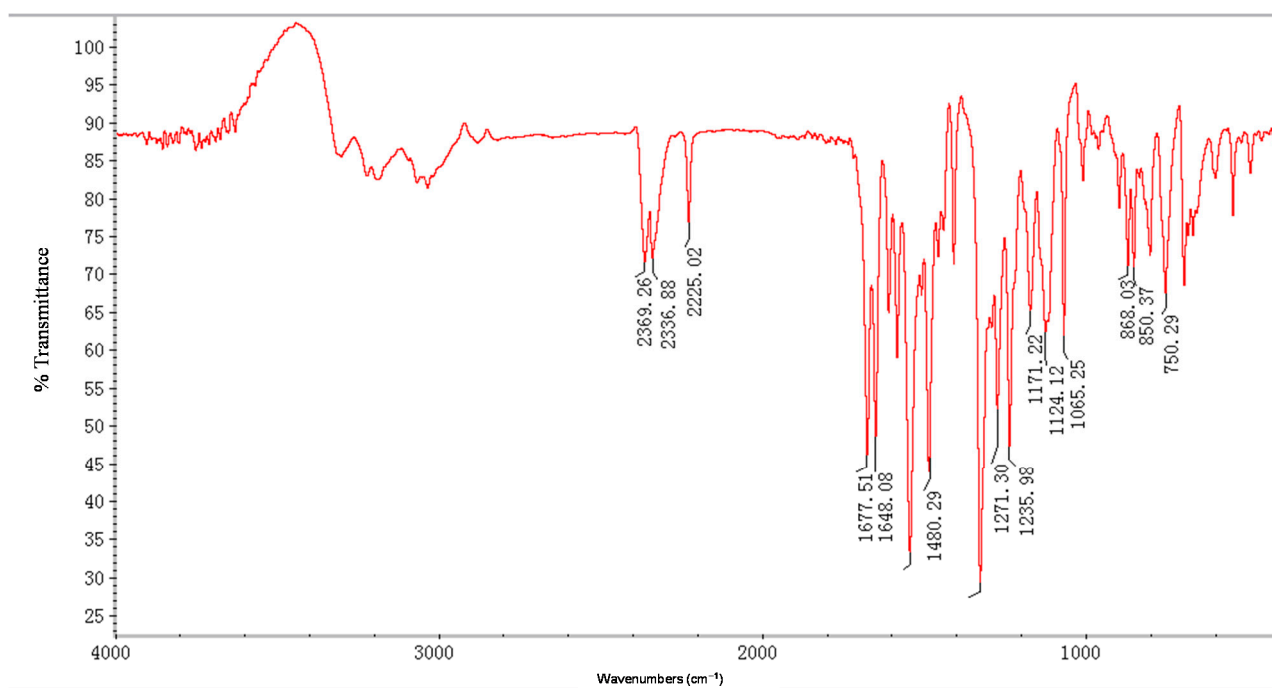
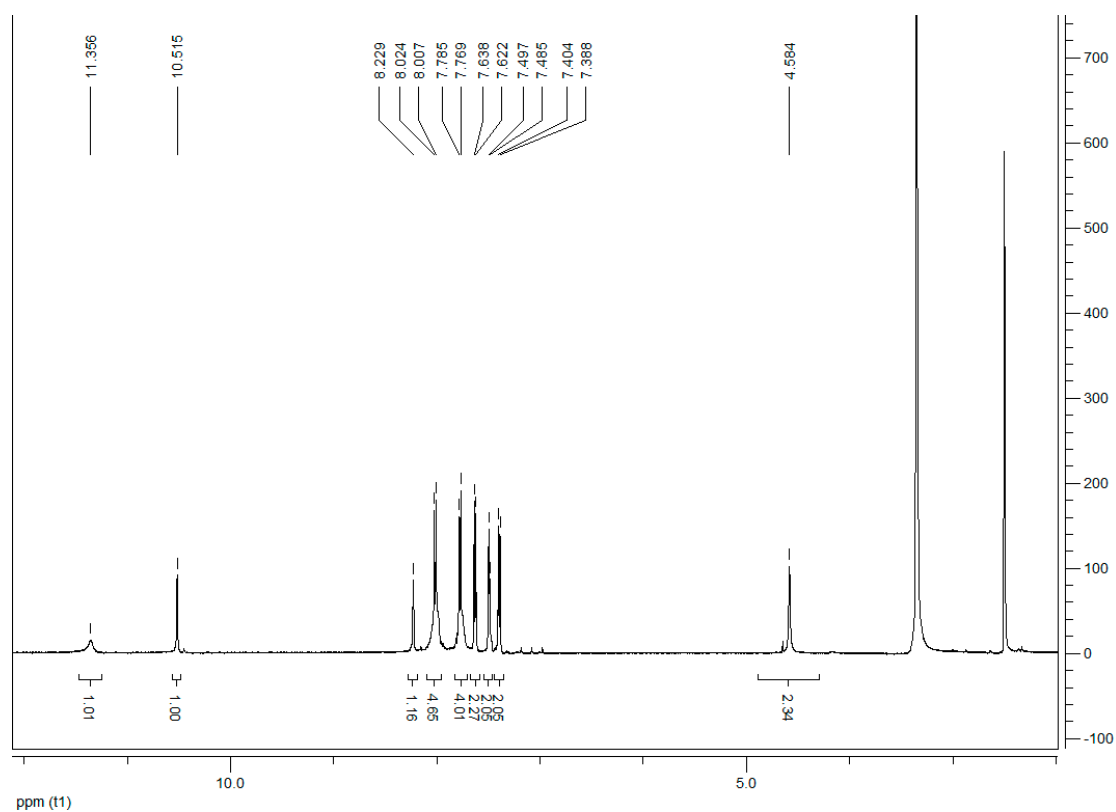


Figure S39. IR of compound 4j.

Figure S40. ¹H-NMR spectra of compound 4k.

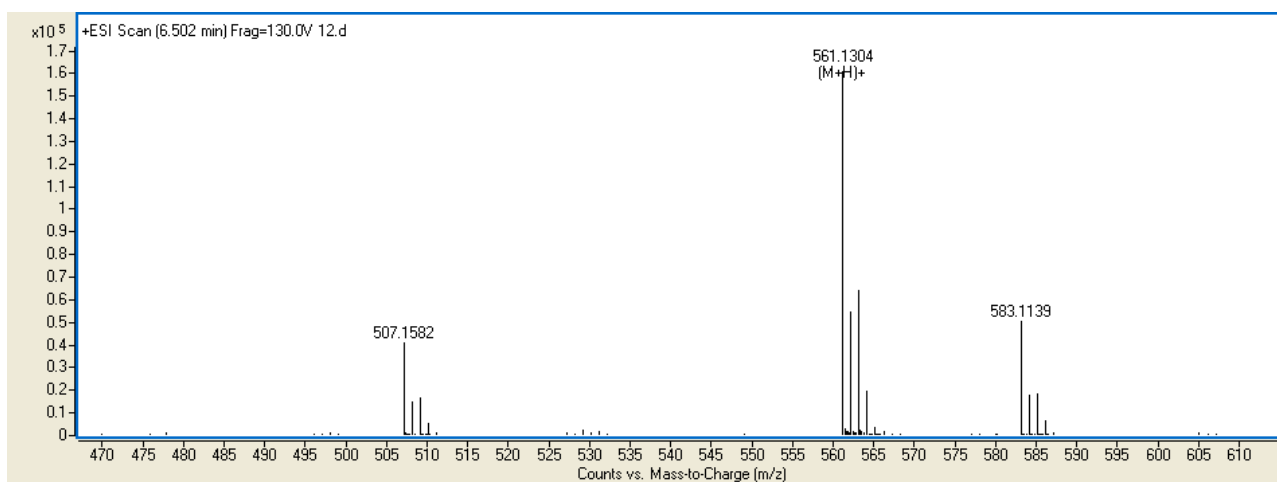


Figure S41. MS of compound 4k w201312111.

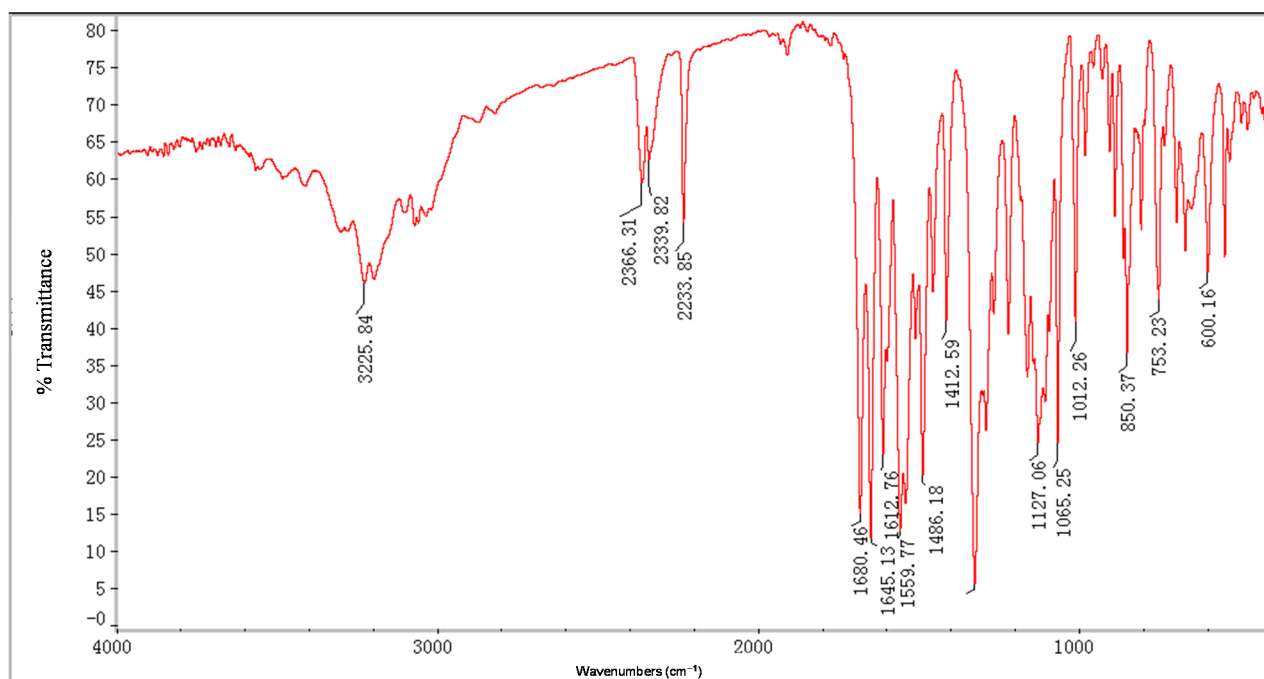


Figure S42. IR of compound 4k.

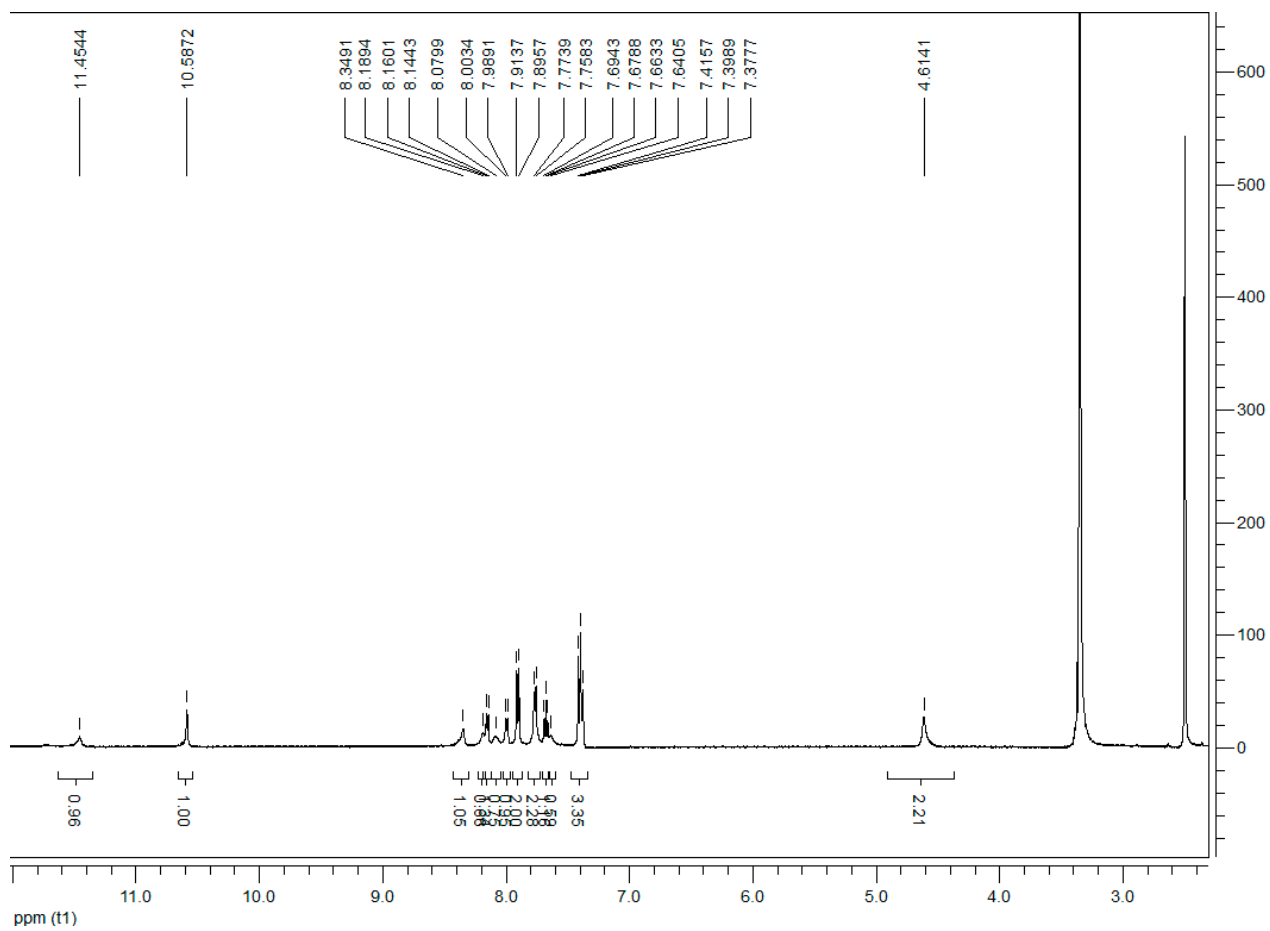


Figure S43. $^1\text{H-NMR}$ spectra of 4l.

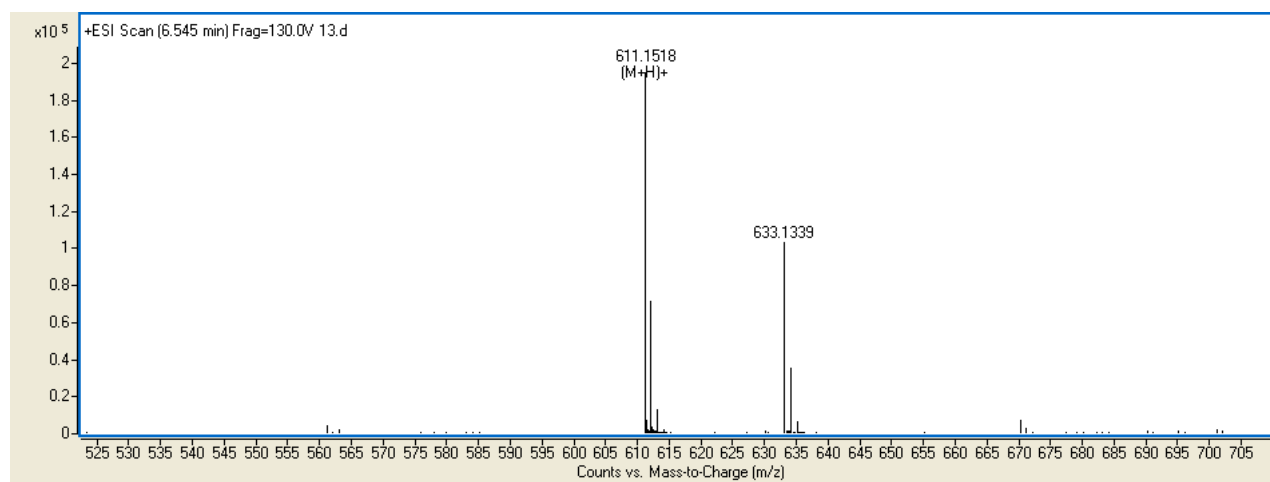


Figure S44. MS of compound 4l.

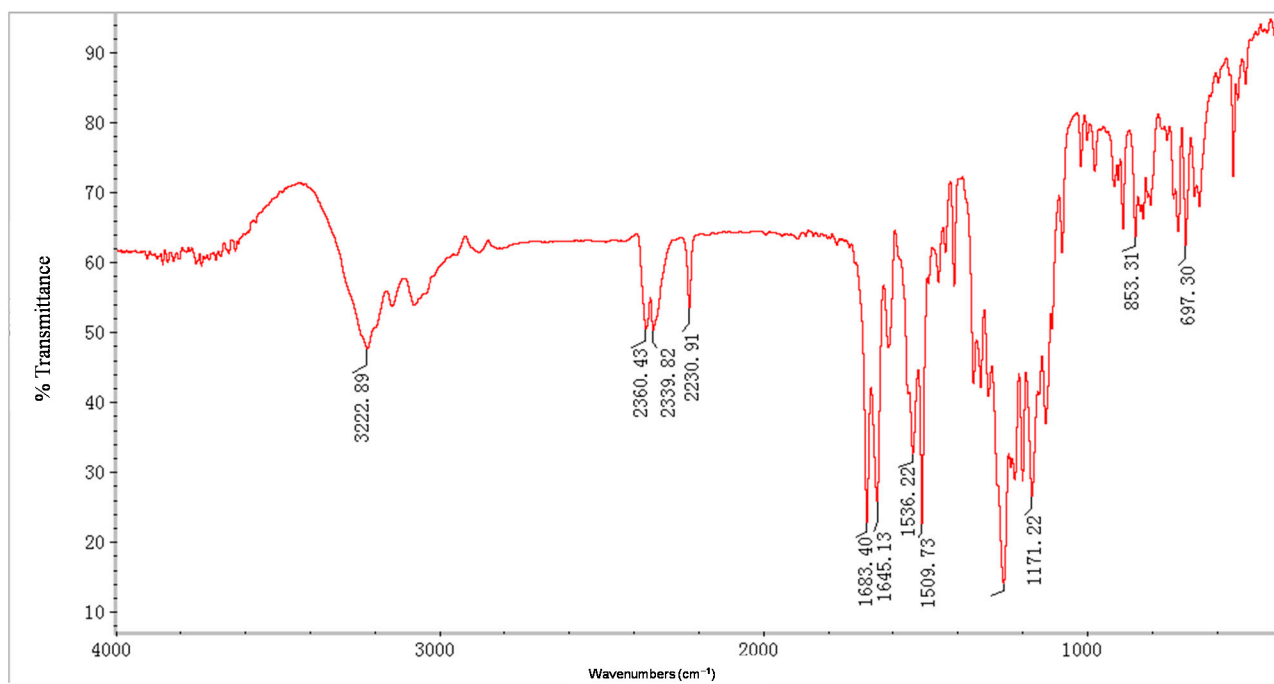


Figure S45. IR of compound **4I**.