Supplementary Materials

Table S1. Some properties of compounds 2a–s.

![Chemical structure of compound 2a](image)

<table>
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<th>Yield (%)</th>
<th>M.p. (°C)</th>
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<th>Molecular Weight</th>
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Figure S1. IR Spectrum of compound 2a.
Figure S2. $^{1}H$-NMR Spectrum of compound 2a.
Figure S3. $^{13}$C-NMR Spectrum of compound 2a.
Figure S4. IR Spectrum of compound 2b.
Figure S5. $^1$H-NMR Spectrum of compound 2b.
Figure S6. $^{13}$C-NMR Spectrum of compound 2b.
Figure S7. IR Spectrum of compound 2c.
Figure S8. $^1$H-NMR Spectrum of compound 2c.
Figure S9. $^{13}$C-NMR Spectrum of compound 2c.
Figure S10. IR Spectrum of compound 2d.
Figure S11. $^1$H-NMR Spectrum of compound 2d.
Figure S12. $^{13}$C-NMR Spectrum of compound 2d.
Figure S13. IR Spectrum of compound 2e.
Figure S14. $^1$H-NMR Spectrum of compound 2e.
Figure S15. $^{13}$C-NMR Spectrum of compound 2e.
Figure S16. IR Spectrum of compound 2f.
Figure S17. $^1$H-NMR Spectrum of compound 2f.
Figure S18. $^{13}$C-NMR Spectrum of compound 2f.
Figure S19. IR Spectrum of compound 2g.
Figure S20. $^1$H-NMR Spectrum of compound 2g.
Figure S21. $^{13}$C-NMR Spectrum of compound 2g.
Figure S22. IR Spectrum of compound 2h.
Figure S.23. 1H-NMR Spectrum of compound 2h.
Figure S24. $^{13}$C-NMR Spectrum of compound 2h.
Figure S25. IR Spectrum of compound 2i.
Figure S26. $^1$H-NMR Spectrum of compound 2i.
Figure S27. $^{13}$C-NMR Spectrum of compound 2i.
Figure S28. IR Spectrum of compound 2j.
Figure S29. $^1$H-NMR Spectrum of compound 2j.
Figure S30. $^{13}$C-NMR Spectrum of compound 2j.
Figure S31. IR Spectrum of compound 2k.
Figure S32. 1H-NMR Spectrum of compound 2k.
Figure S33. $^{13}$C-NMR Spectrum of compound 2k.
Figure S34. IR Spectrum of compound 2l.
Figure S35. 1H-NMR Spectrum of compound 2l.
Figure S36. $^{13}$C-NMR Spectrum of compound 21.
Figure S37. IR Spectrum of compound 2m.
Figure S38. $^1$H-NMR Spectrum of compound 2m.
Figure S39. $^{13}$C-NMR Spectrum of compound 2m.
Figure S40. IR Spectrum of compound 2n.
Figure S41. $^1$H-NMR Spectrum of compound 2n.
Figure S42. $^{13}$C-NMR Spectrum of compound 2n.
Figure S43. IR Spectrum of compound 2o.
Figure S44. $^1$H-NMR Spectrum of compound 2o.
Figure S45. $^{13}$C-NMR Spectrum of compound 2o.
Figure S46. IR Spectrum of compound 2p.
Figure S47. $^1$H-NMR Spectrum of compound 2p.
Figure S48. $^{13}$C-NMR Spectrum of compound 2p.
Figure S49. IR Spectrum of compound 2r.
Figure S50. $^1$H-NMR Spectrum of compound 2r.
Figure S51. $^{13}$C-NMR Spectrum of compound 2r.
Figure S52. IR Spectrum of compound 2s.
Figure S53. $^1$H-NMR Spectrum of compound 2s.
Figure S54. $^{13}$C-NMR Spectrum of compound 2s.