Supplementary Material

A facile and environmentally benign synthesis of 2*H*-benzo[*b*] [1,4] oxazines of potential biological importance

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MATERIALS AND METHODS

All reagents were purchased from Merck and used without purification. Reactions were carried out in Microwave Digester (Anton paar Monowave 400). Melting points were measured on Ikon melting point apparatus and compared with reported values of known compounds. IR spectra were recorded on FTIR spectrometer (Perkin Elmer 1725X, Model: Spectrum Two FT-IR). Mass spectra were recorded on mass spectrophotometer (Advion expressions). NMR spectra were recorded with a Bruker spectrometer at 400 MHz (¹H NMR) and at 100 MHz (¹³C NMR) in CDCl₃ as solvent and with TMS as internal standard; and chemical shifts are expressed as d/ppm.







Figure 2: ¹HNMR NMR of 3a







Figure 4: Mass spectra of 3b



Figure 4: ¹HNMR NMR of 3b

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Figure 6: ¹³CNMR NMR of 3b



Figure 7: Mass spectra of 3c



Figure 8: ¹HNMR NMR of 3c



Figure 9: ¹³CNMR NMR of 3c



Figure 10: Mass spectra of 3d



Figure 11: ¹HNMR NMR of 3d



Figure 12: ¹³CNMR NMR of 3d



Figure 13: Mass spectra of 3e



Figure 14: ¹HNMR NMR of 3e



Figure 15: ¹³CNMR NMR of 3e



Figure 16: Mass spectra of 3f



Figure 17: ¹HNMR NMR of 3f



Figure 18: ¹³CNMR NMR of 3f



Figure 19: Mass spectra of 3g



Figure 20: ¹HNMR NMR of 3g



Figure 21: ¹³CNMR NMR of 3g







Figure 23: ¹HNMR NMR of 3h



Figure 24: ¹³CNMR NMR of 3h



Figure 25: Mass spectra of 3i



Figure 26: ¹HNMR NMR of 3i



Figure 27: ¹³CNMR NMR of 3i



Figure 28: Mass Spectra of 3j



Figure 29: ¹HNMR NMR of 3j



Figure 30: ¹³CNMR NMR of 3j



Figure 31: Mass spectra of 3k



Figure 32: ¹HNMR NMR of 3k



Figure 33: ¹³CNMR NMR of 3k



Figure 34: Mass spectra of 31



Figure 35: ¹HNMR NMR of 3I



Figure 36: ¹³CNMR NMR of 3I



Figure 37: Mass spectra of 3m



Figure 38: ¹HNMR NMR of 3m



Figure 39: ¹³CNMR NMR of 3m







Figure 41: ¹HNMR NMR of 3n



Figure 42: ¹³CNMR NMR of 3n



Figure 43: Mass spectra of 30



Figure 44: ¹HNMR NMR of 30



Figure 45: ¹³CNMR NMR of 3o