Fig. S1 $^1$H (upper) and $^{13}$C NMR (lower) spectra of the compound 4a.
Fig.S2 $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4b
Fig. S3: $^{1}$H (upper) and $^{13}$C NMR (lower) spectra of the compound 4c.
Fig. S4 $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4d
Fig.S5  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4c
Fig. S6  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4f
Fig. S7 $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4g
Fig. S8  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4h
Fig. S9  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4i
Fig. S10  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4j
Fig. S11  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4k
Fig.S12 $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4I
Fig. S13 $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 4m
Fig. S14  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 5
Fig.S15  $^1$H(upper) and $^{13}$C NMR(lower) spectra of the compound 6
Fig. S16  Spectrum of $^1$H NMR for the mixture compound coming from acetamide and NBS

Fig. S17  $^1$H NMR spectrum of the reaction mixture via ethyl $\alpha$-cyanocinnamate(1a) directly reacted with $N$-bromoacetamide (NBA)