

Supplementary Materials for the article:

Methyl 5'-chloro-8-formyl-5-hydroxy-1',3',3'-trimethyl-spiro- [chromene-2,2'-indoline]-6-carboxylate

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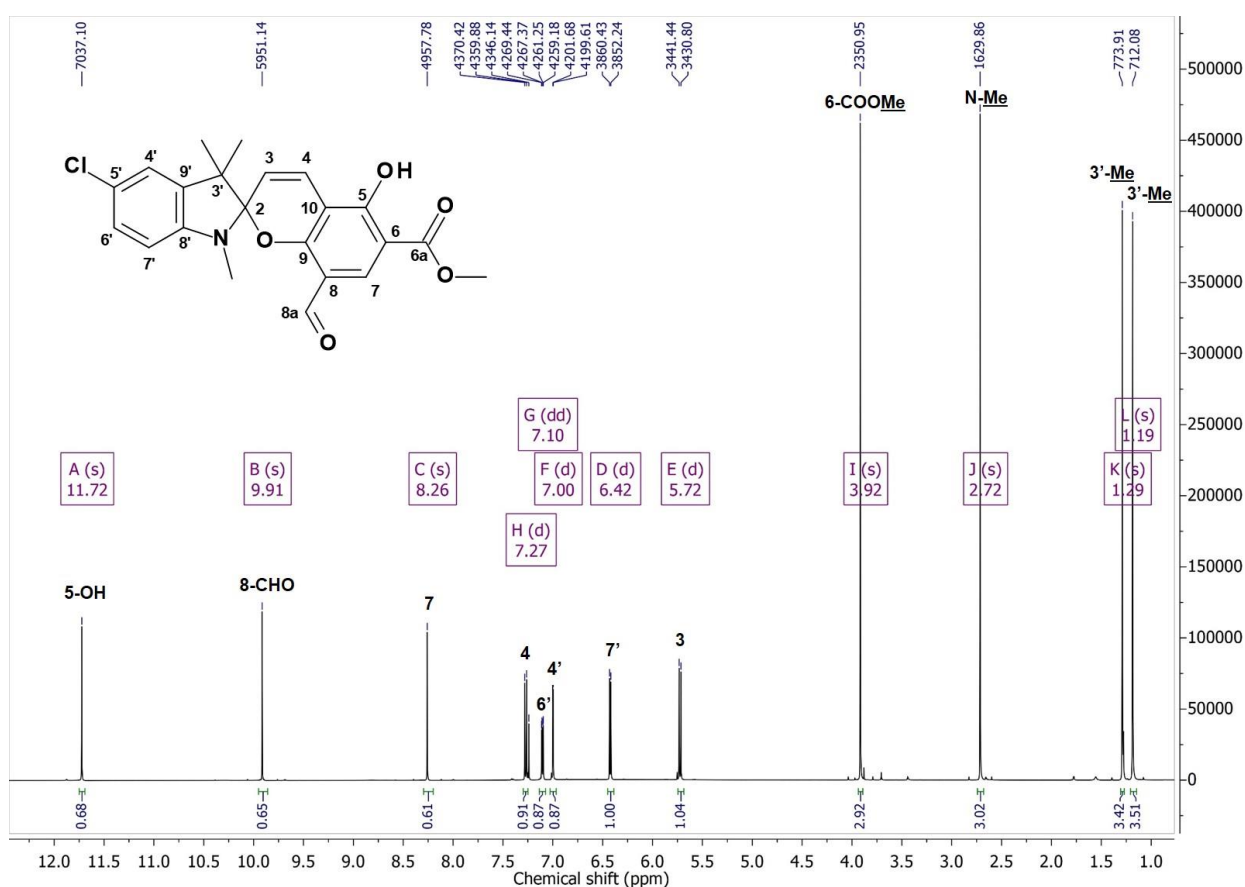


Figure S1. ¹H NMR spectrum of methyl 5'-chloro-8-formyl-5-hydroxy-1',3',3'-trimethyl-spiro[chromene-2,2'-indoline]-6-carboxylate **1**.

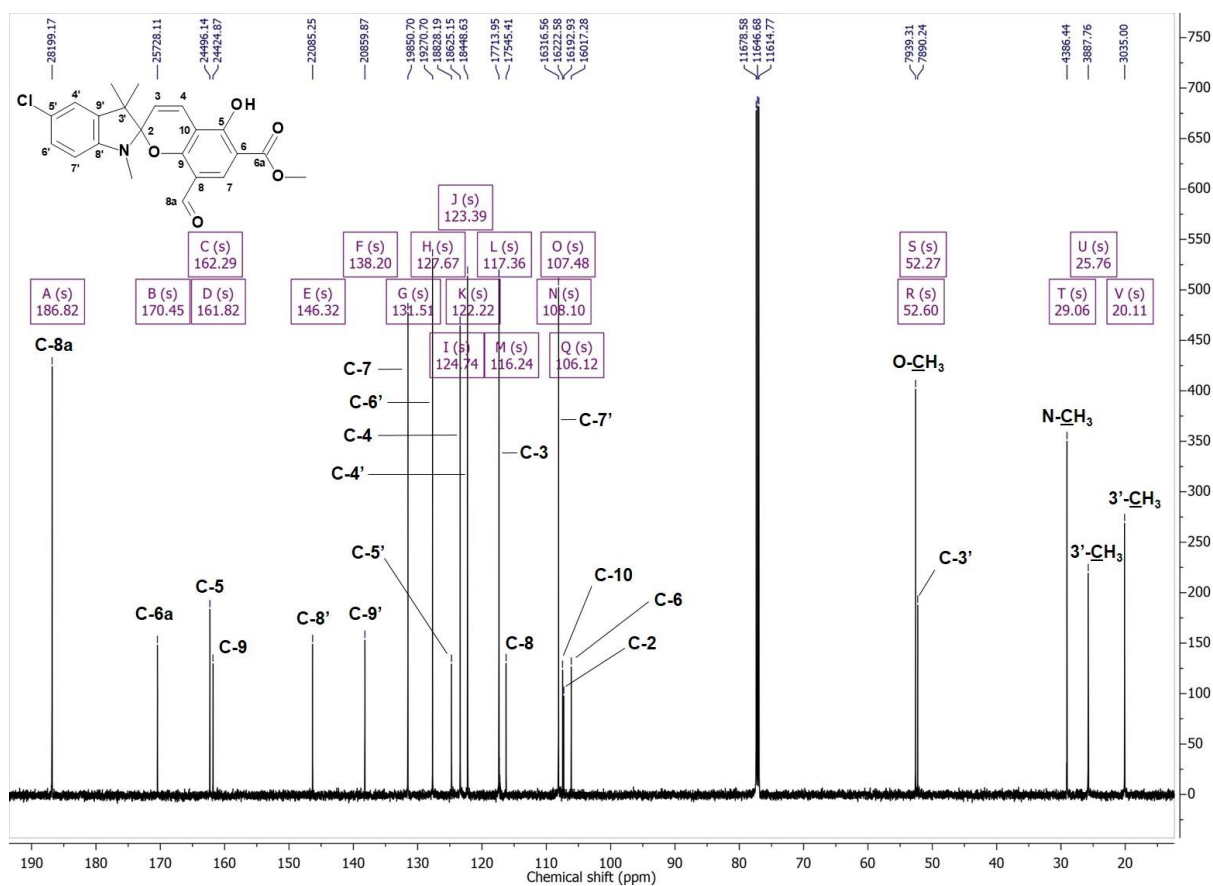


Figure S2. ^{13}C NMR spectrum of compound 1.

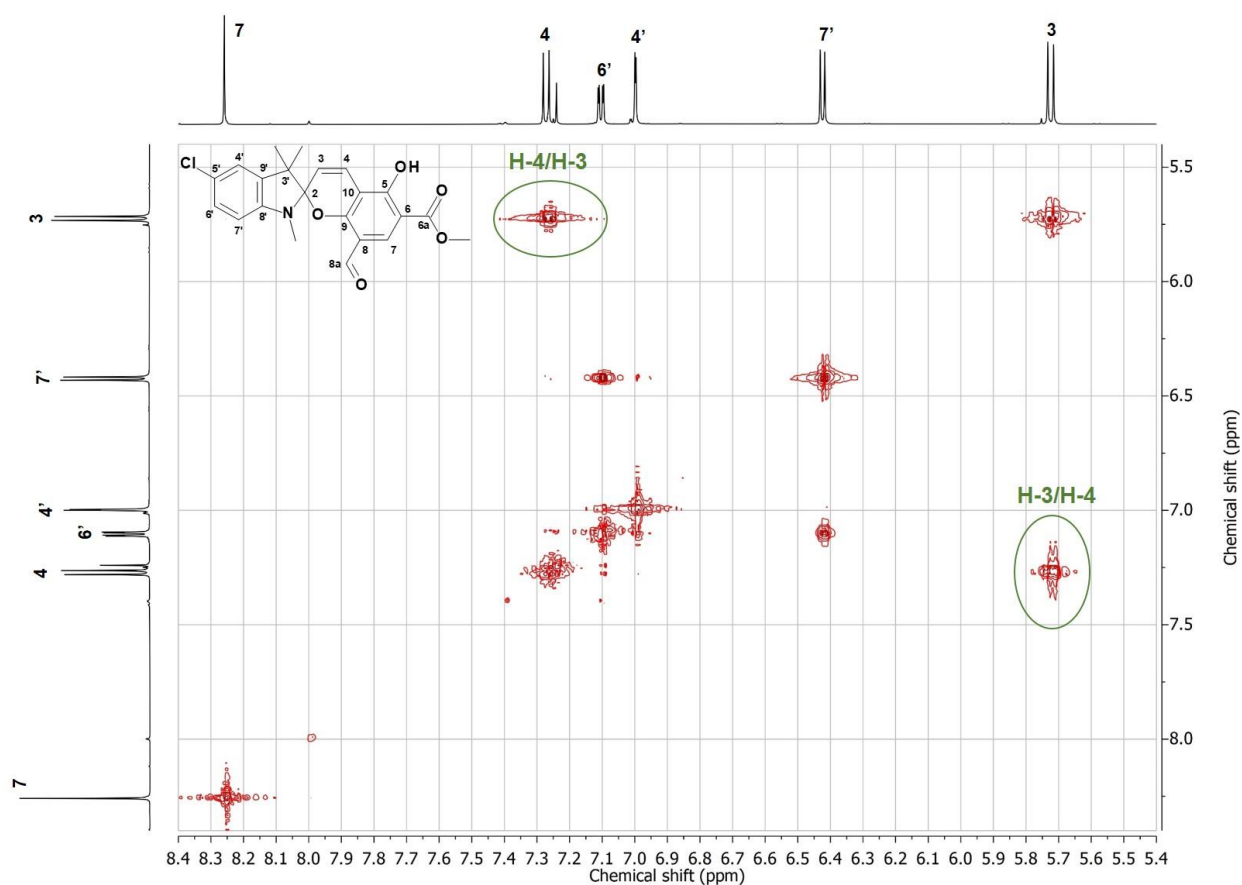


Figure S3. Fragment of ^1H - ^1H COSY NMR spectrum of compound 1; aromatic protons region.

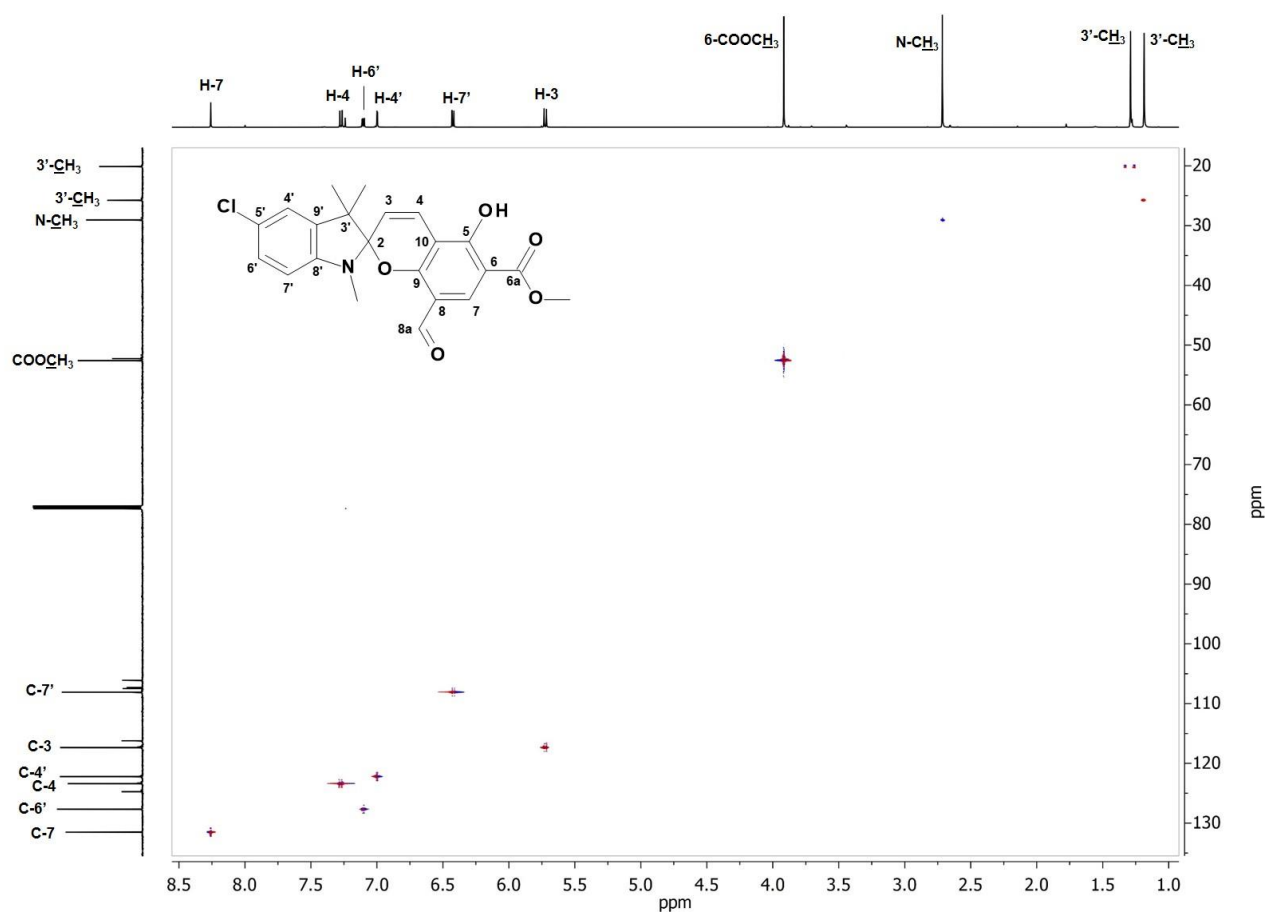


Figure S4. ^1H - ^{13}C HSQC NMR spectrum of compound 1.

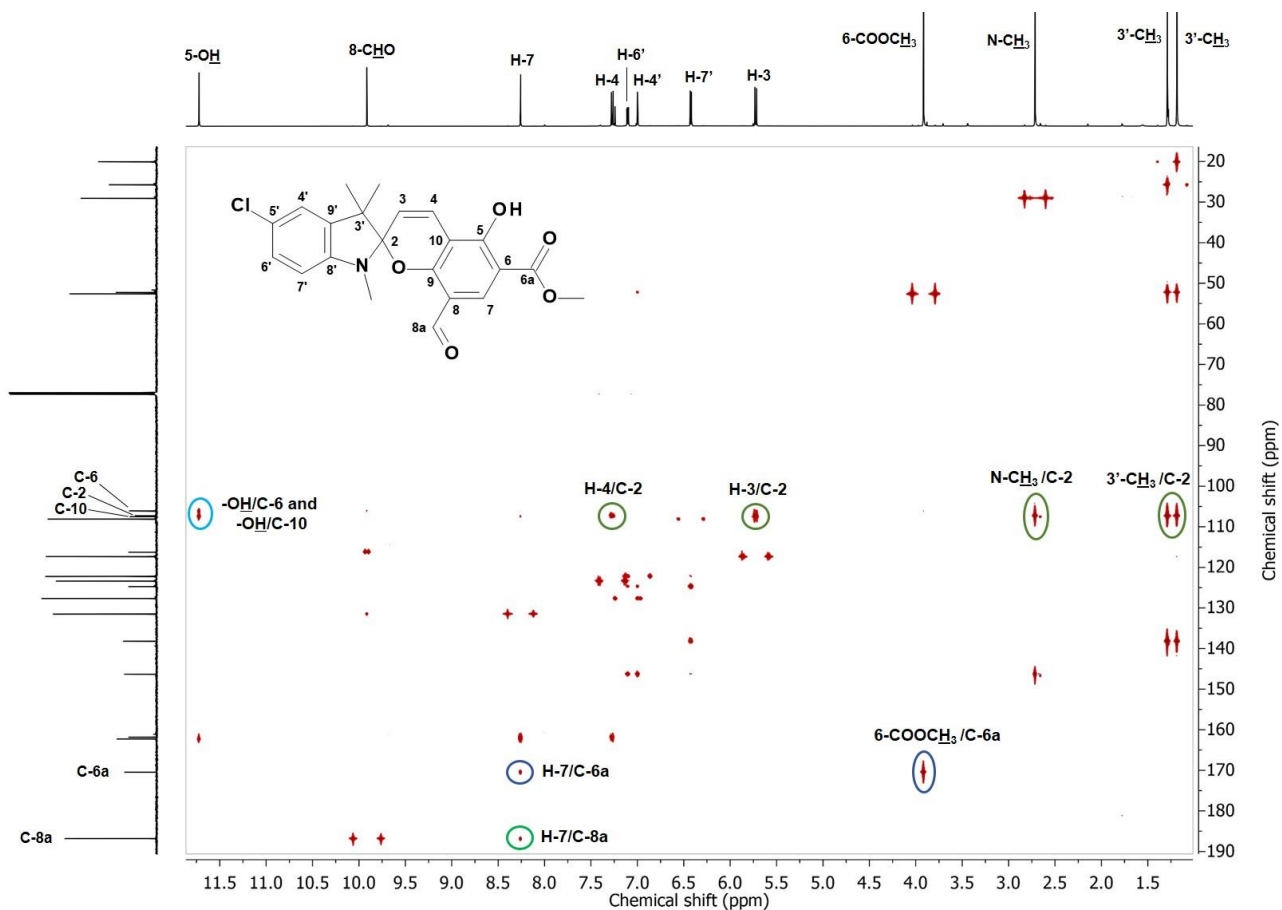


Figure S5. ^1H - ^{13}C HMBC NMR spectrum of compound 1.

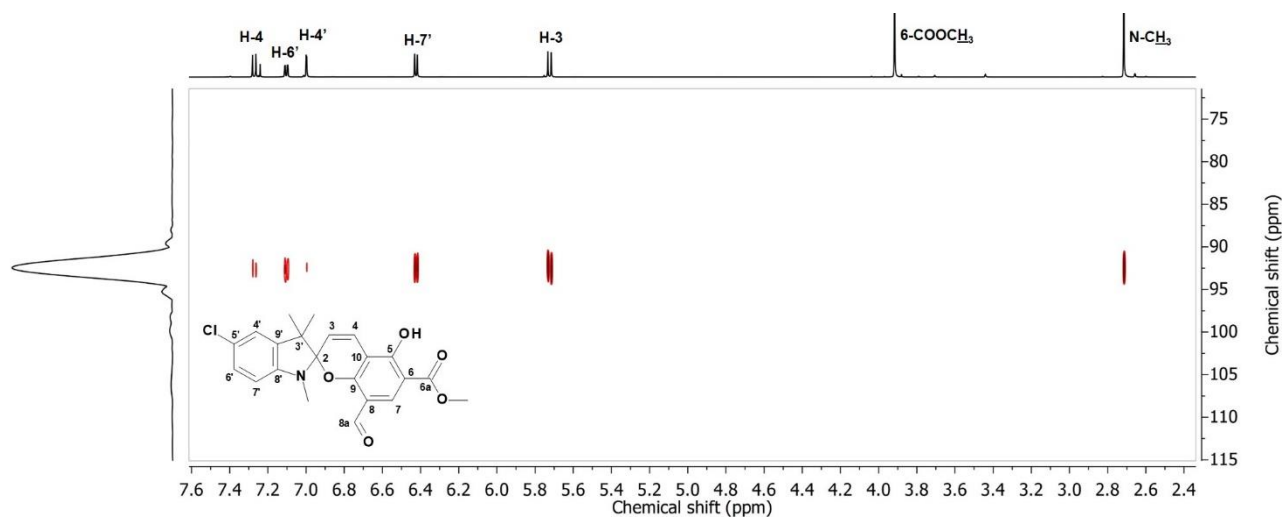


Figure S6. ^1H - ^{15}N HMBC NMR spectrum of compound 1.

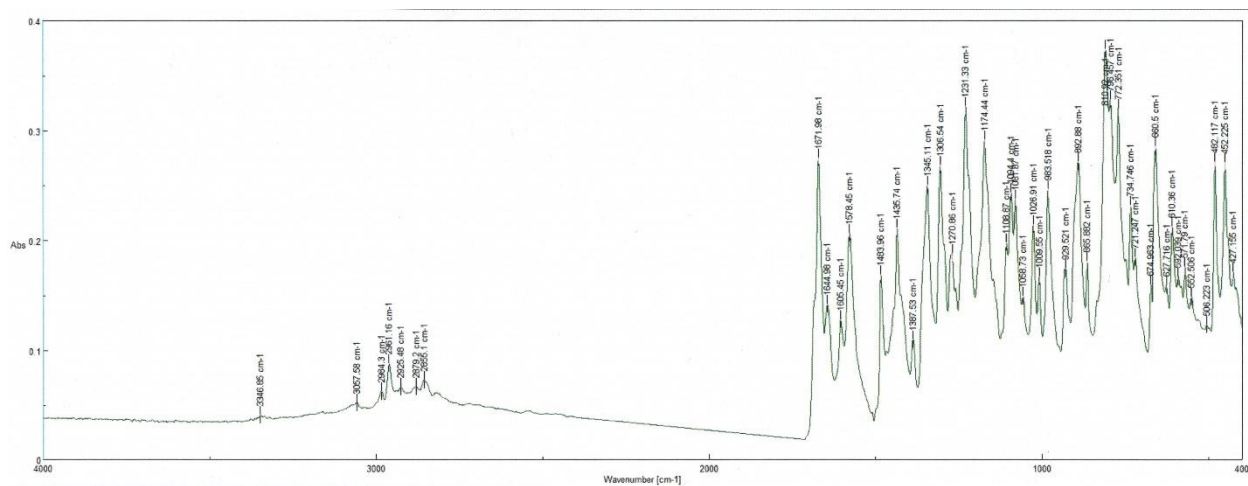


Figure S7. FTIR spectrum of compound 1.

Spectrum Plot Report

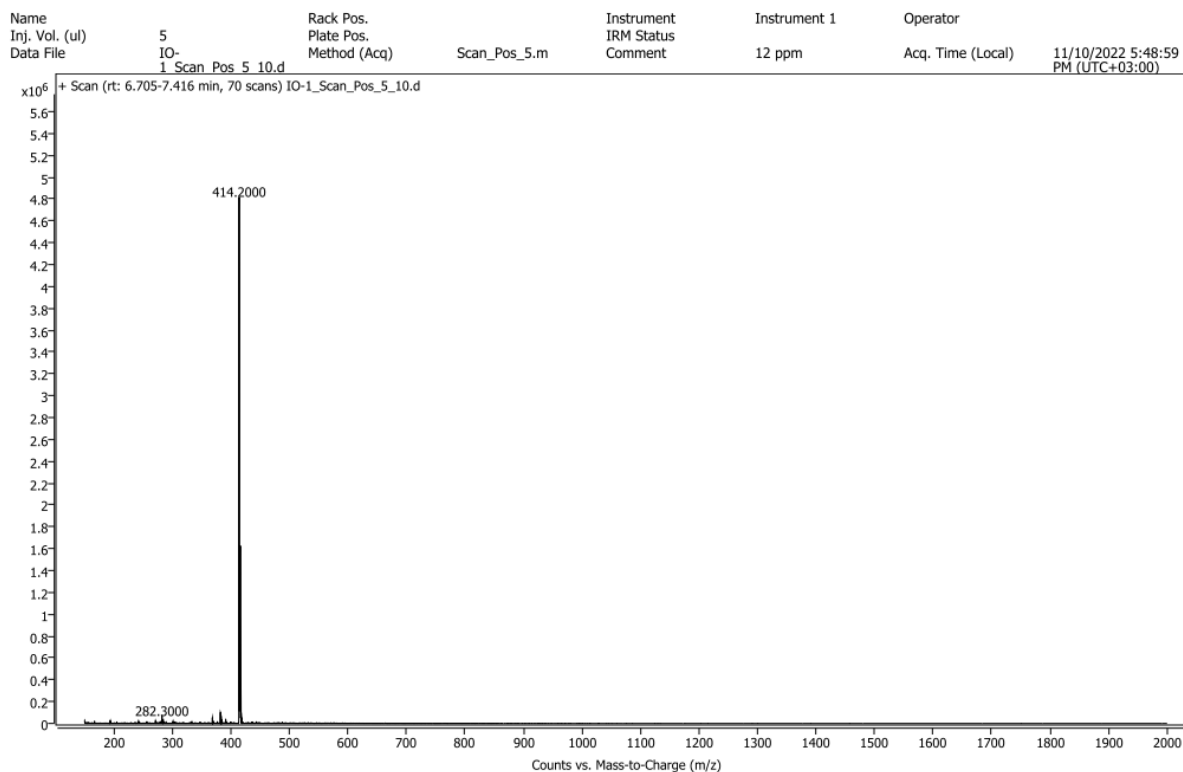


Figure S8. LC/MS spectrum of compound **1**.

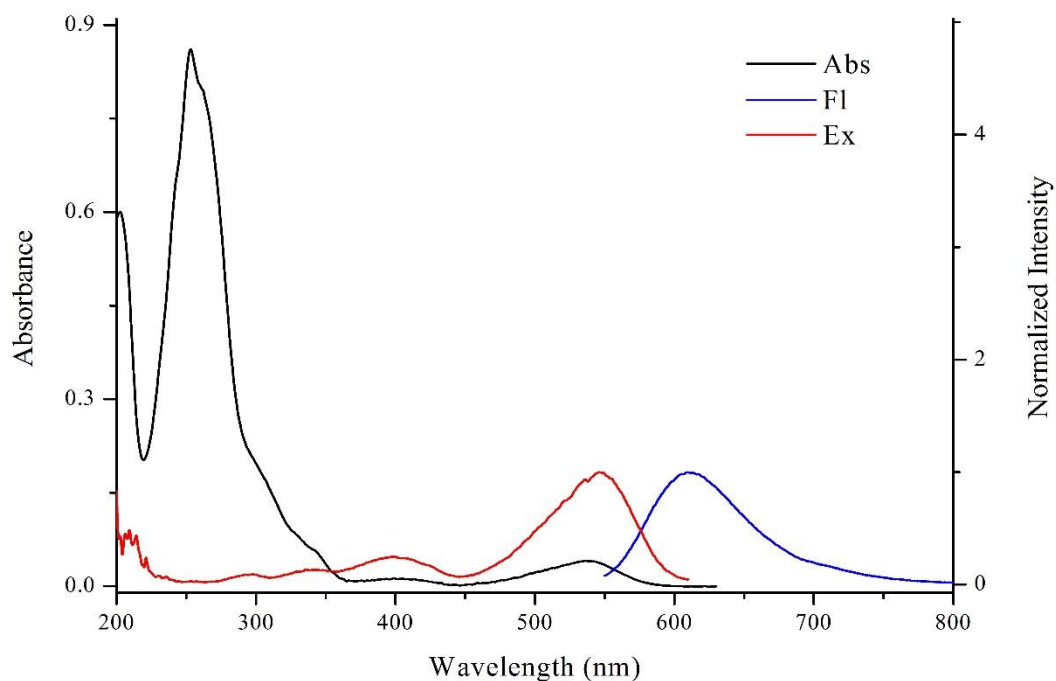


Figure S9. UV/Vis, fluorescence emission ($\lambda_{\text{ex}} = 540 \text{ nm}$) and fluorescence excitation ($\lambda_{\text{obs}} = 611 \text{ nm}$) spectra of spiropyran **1** (acetonitrile, $C = 2 \cdot 10^{-5} \text{ M}$, $T = 293 \text{ K}$).

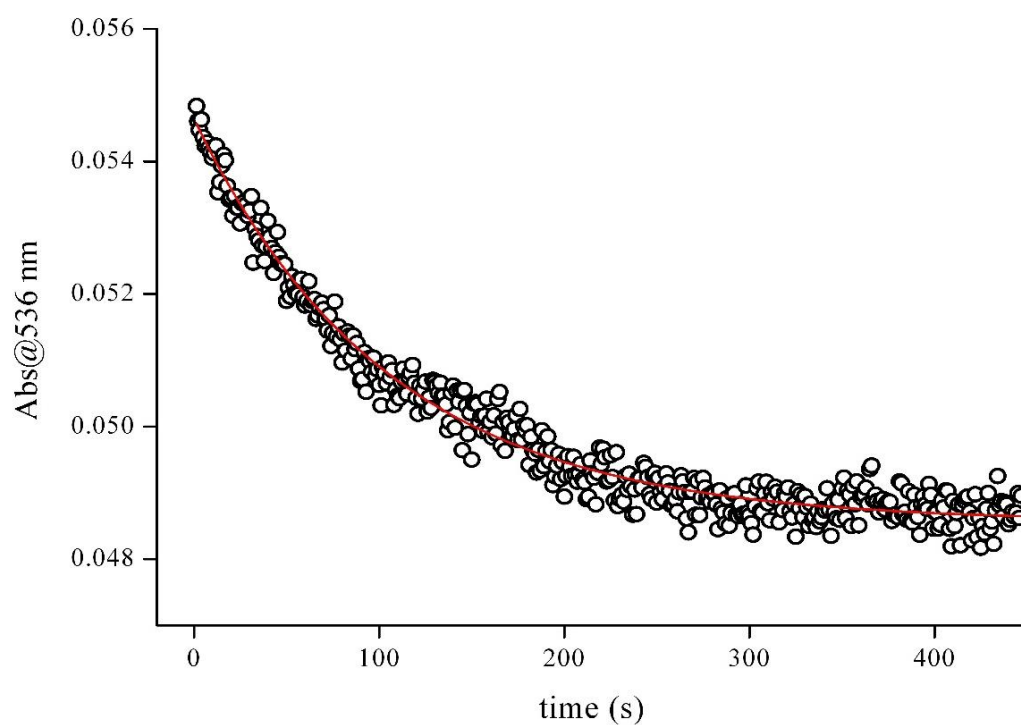


Figure S10. Kinetic curve of thermal recyclization reaction at the **MC** maximum of compound **1** in acetonitrile, $T = 293$ K. Dots – experimental data, line – the result of approximation by mono-exponential function.