Supplementary Materials

Coumarin-Containing Light-Responsive Carboxymethyl Chitosan Micelles as Nanocarriers for Controlled Release of Pesticide

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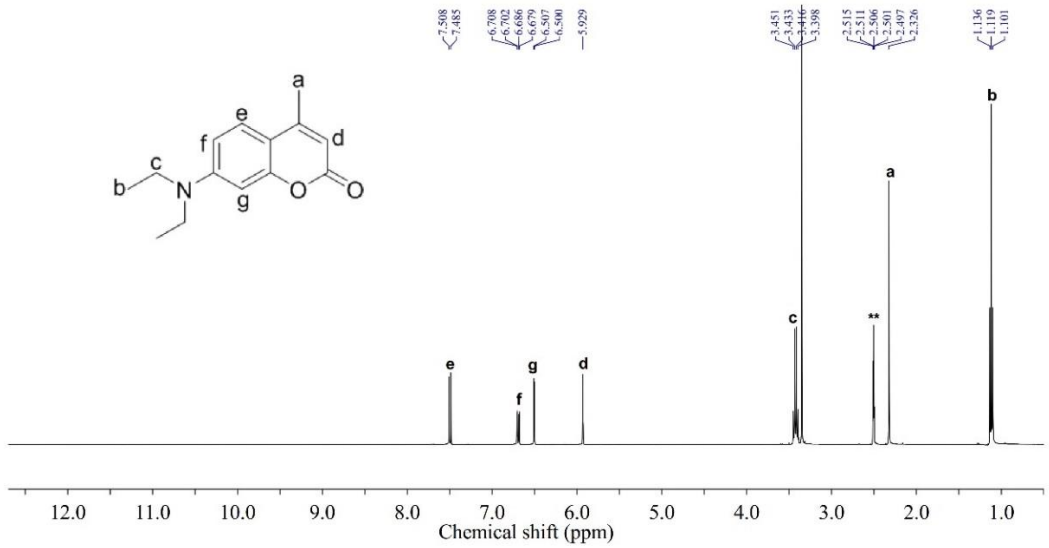

Figure S1. ^{1}H NMR spectrum of 7-diethylamino-4-methylcoumarin in DMSO-d_6 (**).

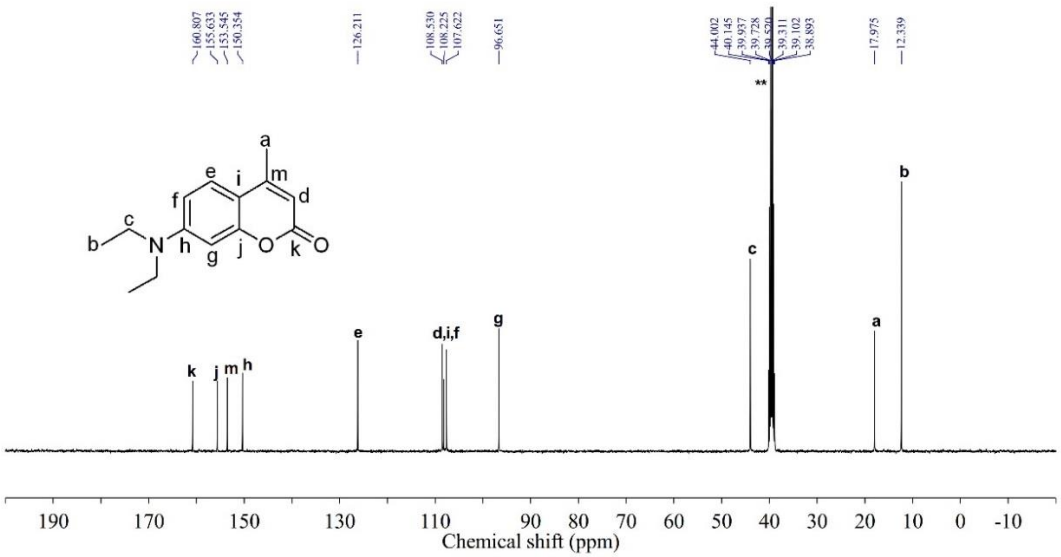

Figure S2. ^{13}C NMR spectrum of 7-diethylamino-4-methylcoumarin in DMSO-d_6 (**).

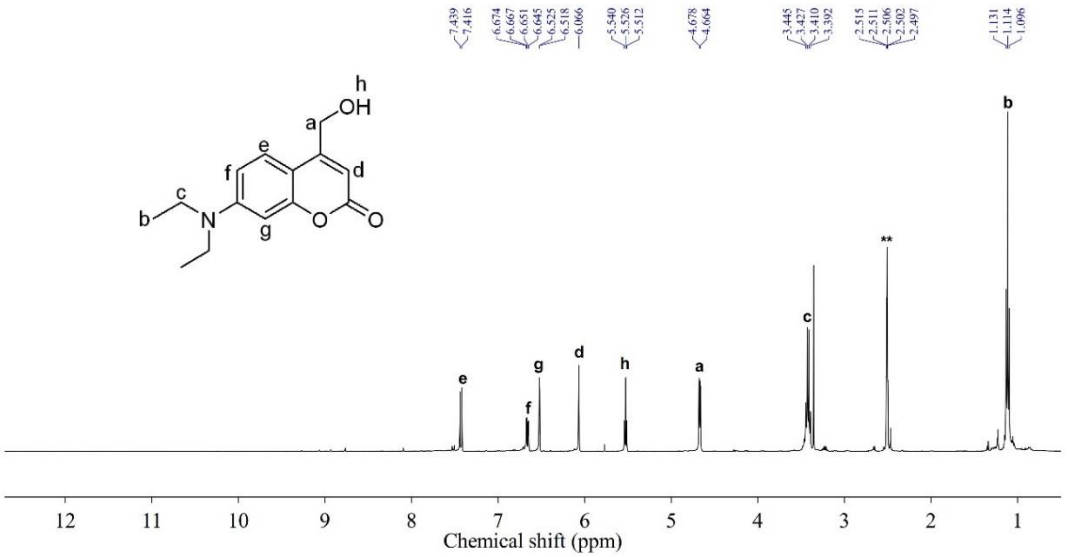

Figure S3. ^{1}H NMR spectrum of 7-diethylamino-4-hydroxymethylcoumarin (**1**) in DMSO-d_6 (**).

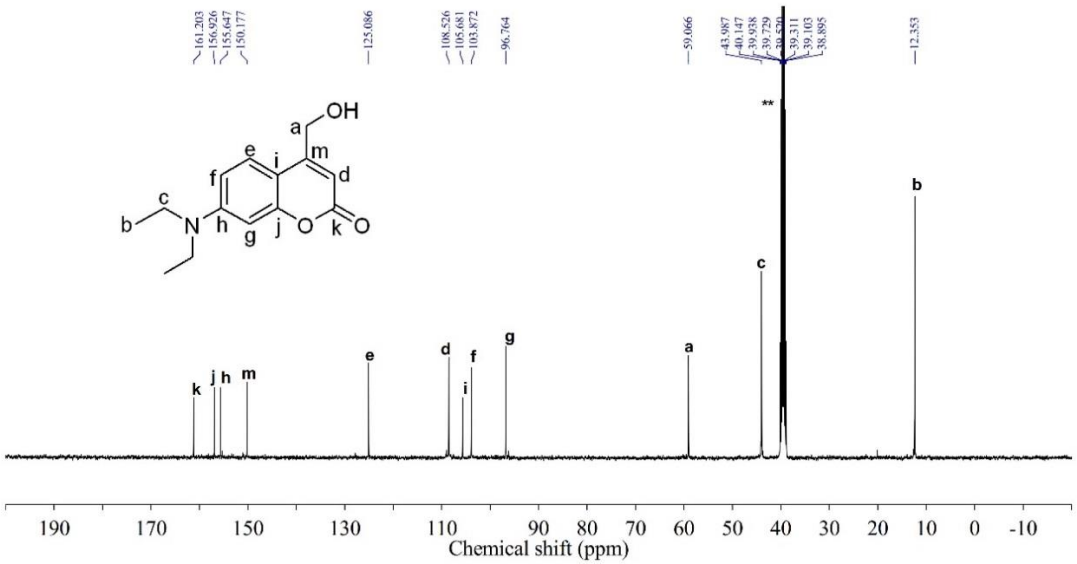

Figure S4. ^{13}C NMR spectrum of 7-diethylamino-4-hydroxymethylcoumarin (**1**) in DMSO-d_6 (**).

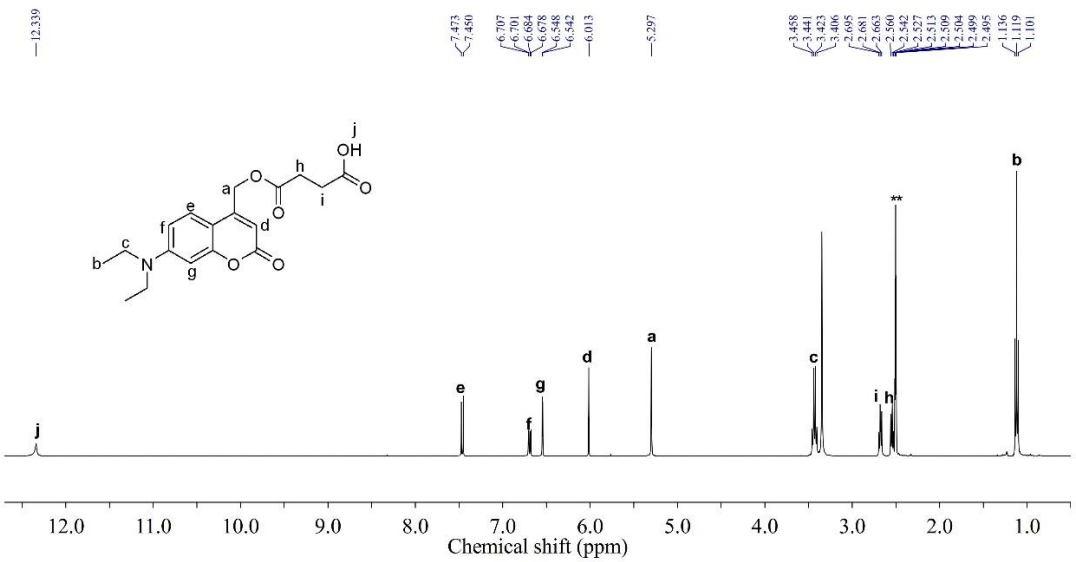

Figure S5. ^{1}H NMR spectrum of DEACMS in DMSO-d_6 (**).

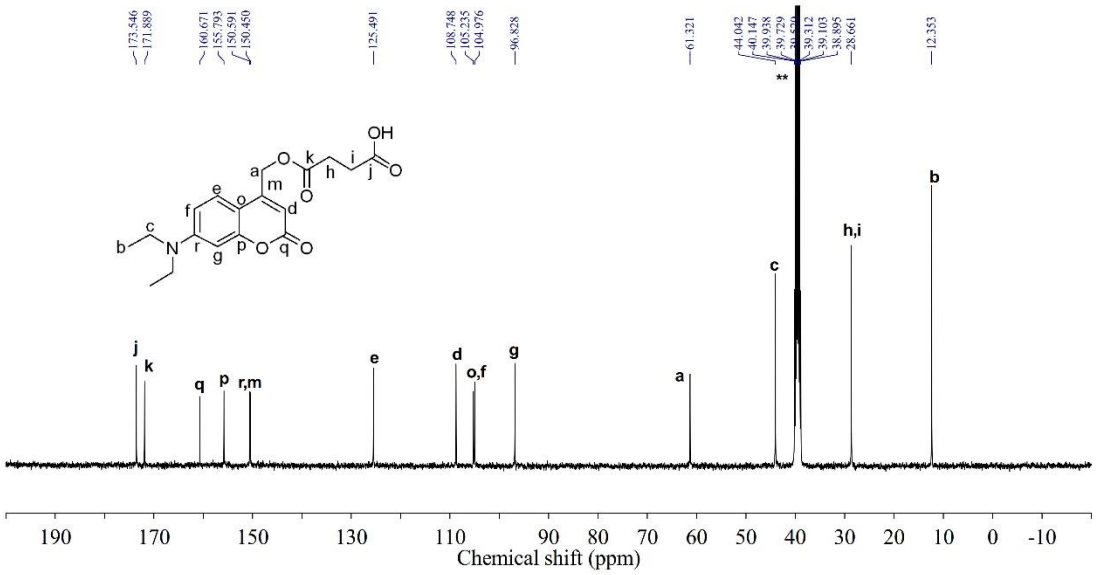

Figure S6. ^{13}C NMR spectrum of DEACMS in DMSO-d_6 (**).

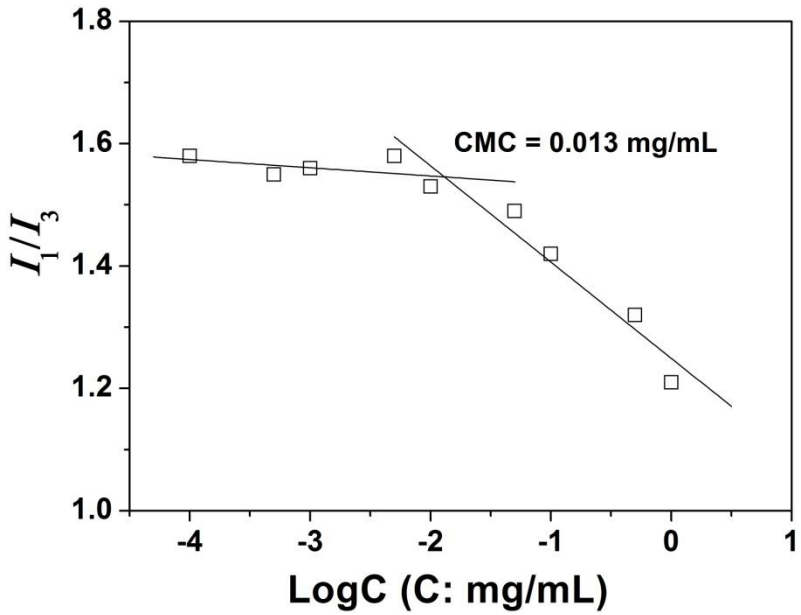

Figure S7. The intensity ratio (I_1/I_3) of pyrene emission spectra versus the logarithm concentration of CMCS-DEACMS-1.

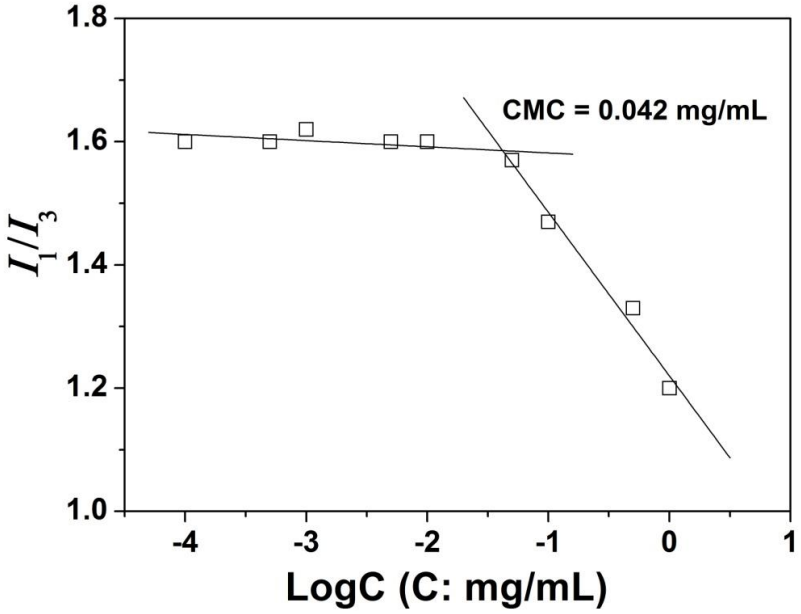

Figure S8. The intensity ratio (I_1/I_3) of pyrene emission spectra versus the logarithm concentration of CMCS-DEACMS-3.

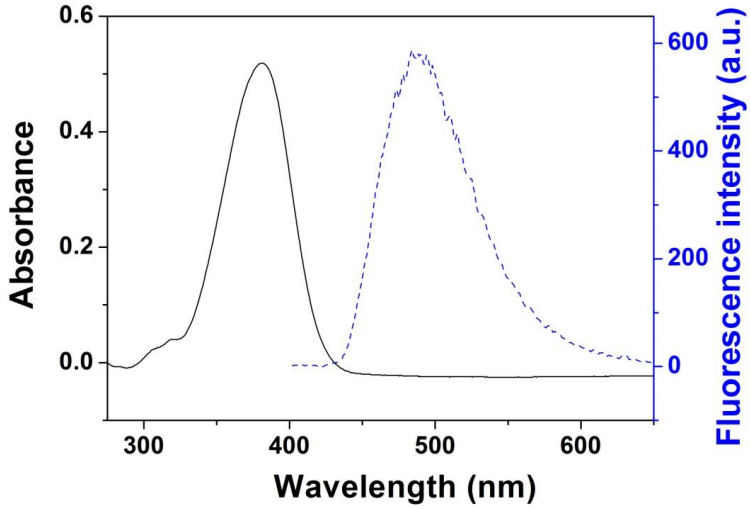

Figure S9. UV-vis (solid line) and emission (dashed line) spectra of DEACMS in DMSO.

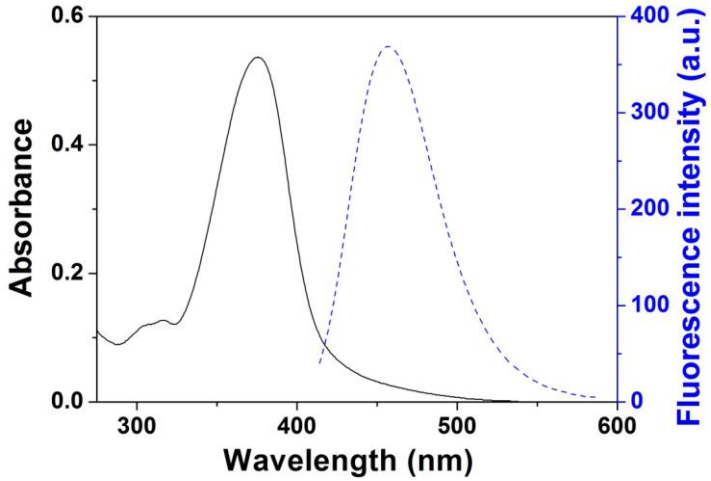

Figure S10. UV-vis (solid line) and emission (dashed line) spectra of compound **1** in DMSO.

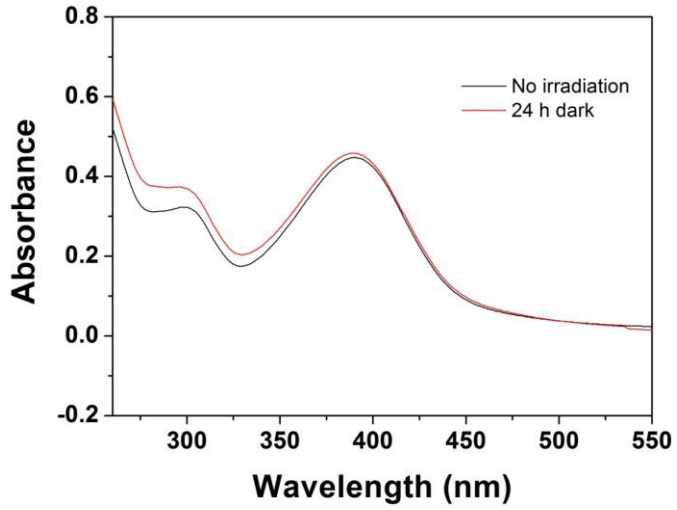

Figure S11. UV-vis absorption spectra of CMCS-DEACMS-2 micelles in aqueous solution kept in the dark.

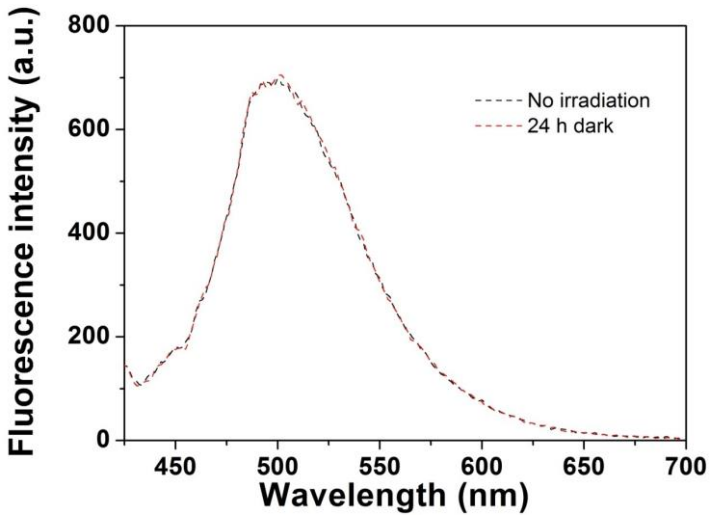

Figure S12. Emission spectra of CMCS-DEACMS-2 micelles in aqueous solution kept in the dark.

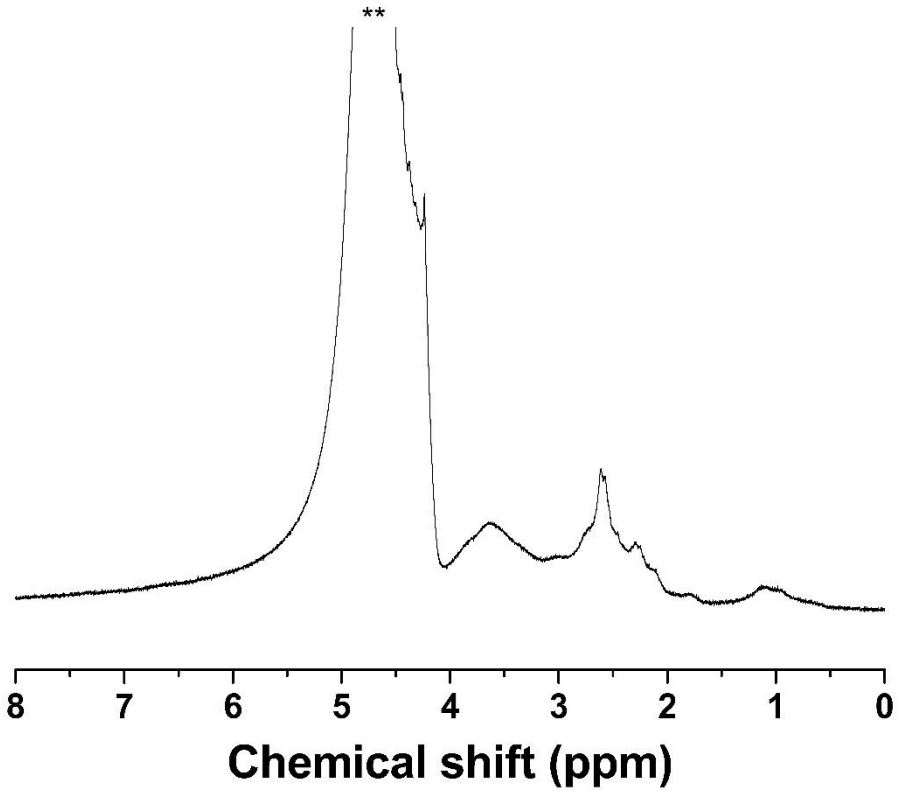

Figure S13. ^{1}H NMR assessment of the photolytic product in D_2O after irradiation under simulated sunlight.