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## Supporting information for the manuscript

### The photochemical ring opening reaction of chromene as seen by transient absorption and fluorescence spectroscopy

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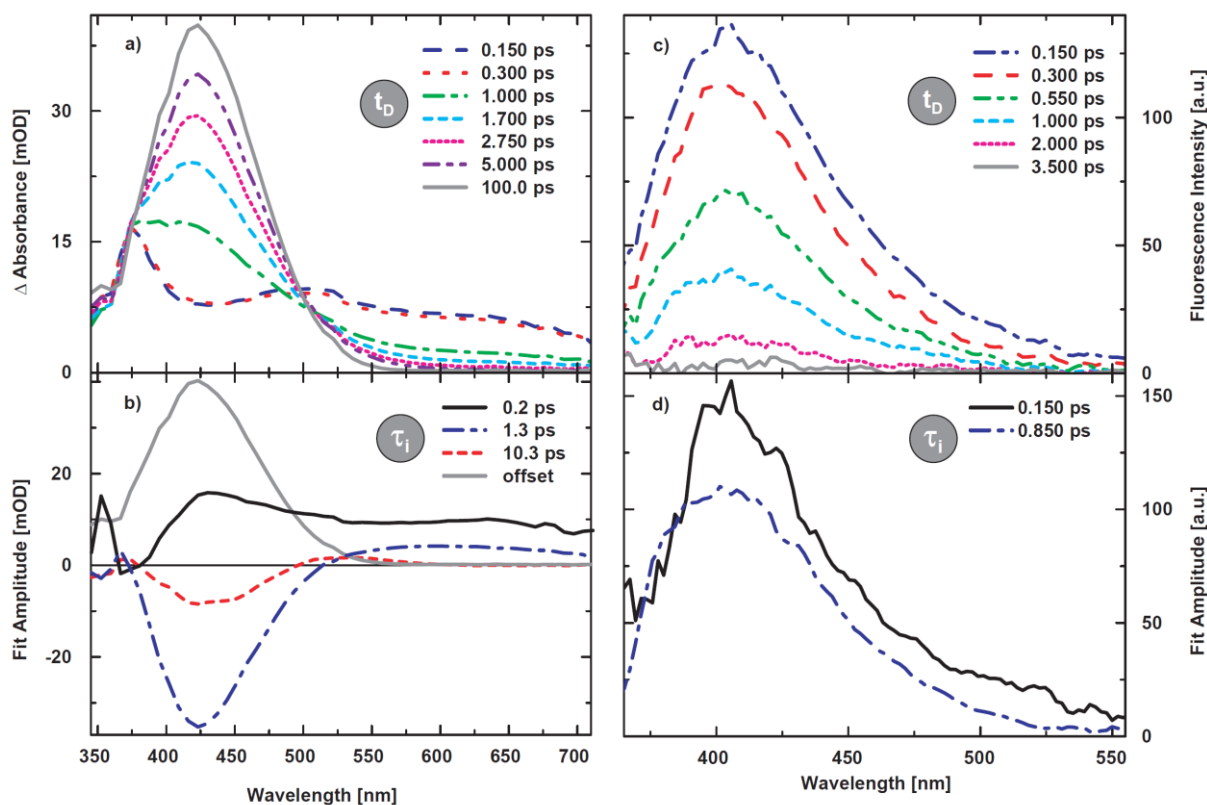
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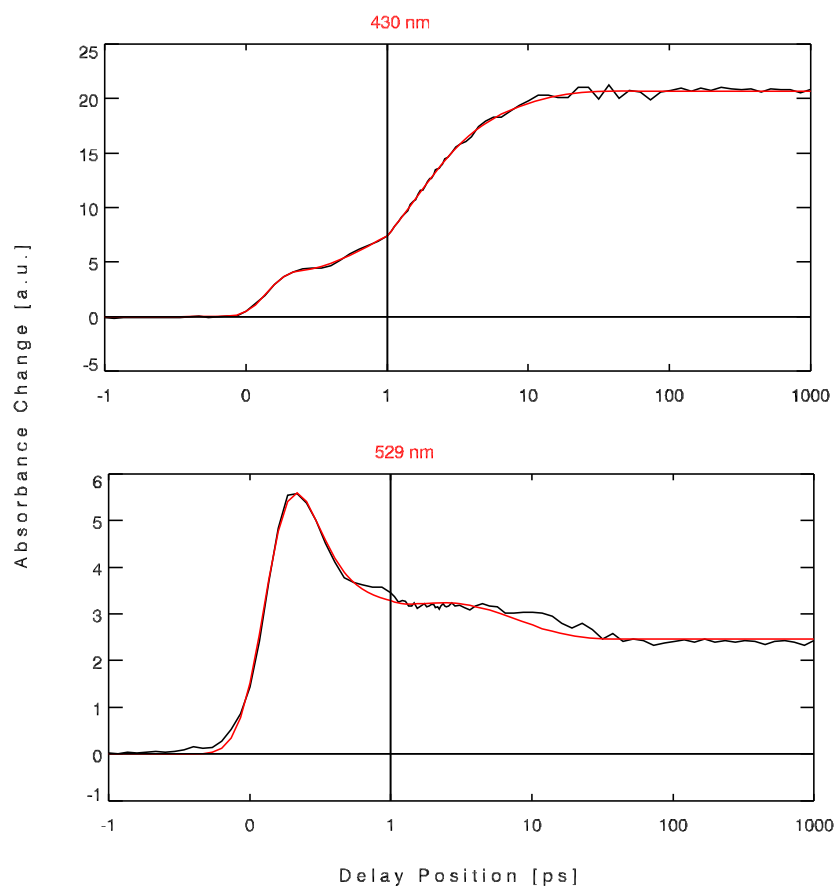
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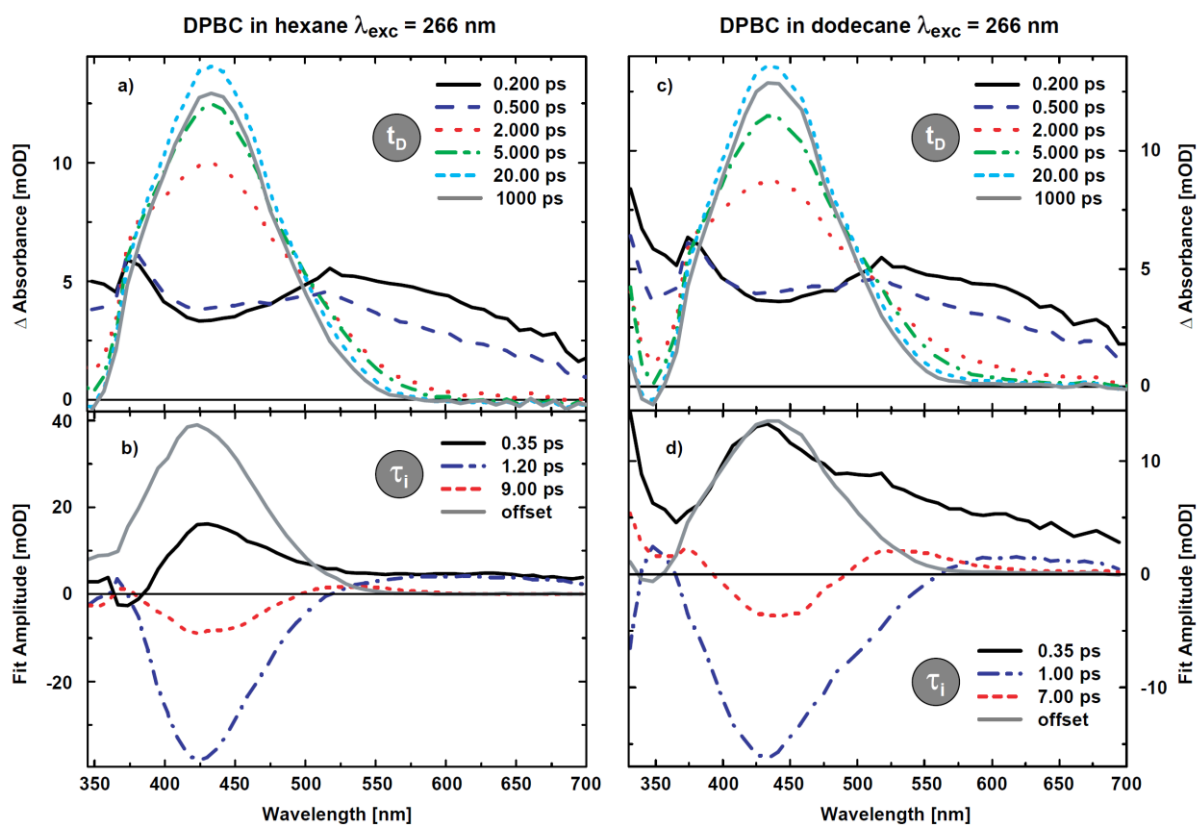
#### Additional data



**Figure S1.** (a) Time evolution of the absorption spectra following 325 nm excitation of DPBC closed form in hexane. (b) DAS of the TA experiments resulting from a multi-exponential fit analysis with associated time constants  $\tau_i$ . (c) Time evolution of the emission spectra following 320 nm excitation of DPBC closed form in hexane. (d) DAS of the TFI experiments resulting from a multi-exponential fit analysis with associated time constants  $\tau_i$ .



**Figure S2.** (a) Time evolution of the absorption spectra following 325 nm excitation of DPBC closed form in hexane. Absorbance changes over time are shown as experimental data and multi-exponential fits at different wavelength.



**Figure S3.** (a) Time evolution of the absorption spectra following 266 nm excitation of DPBC closed form in hexane. (b) DAS of the TA experiments resulting from a multi-exponential fit analysis with associated time constants  $\tau_i$ . (c) Time evolution of the emission spectra following 266 nm excitation of DPBC closed form in dodecane. (d) DAS of the TA experiments resulting from a multi-exponential fit analysis with associated time constants  $\tau_i$ .