

**Structure and photochromic properties
of a novel diarylethene containing a 9-fluorenone hydrazone
Schiff base moiety**

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1. Crystallography

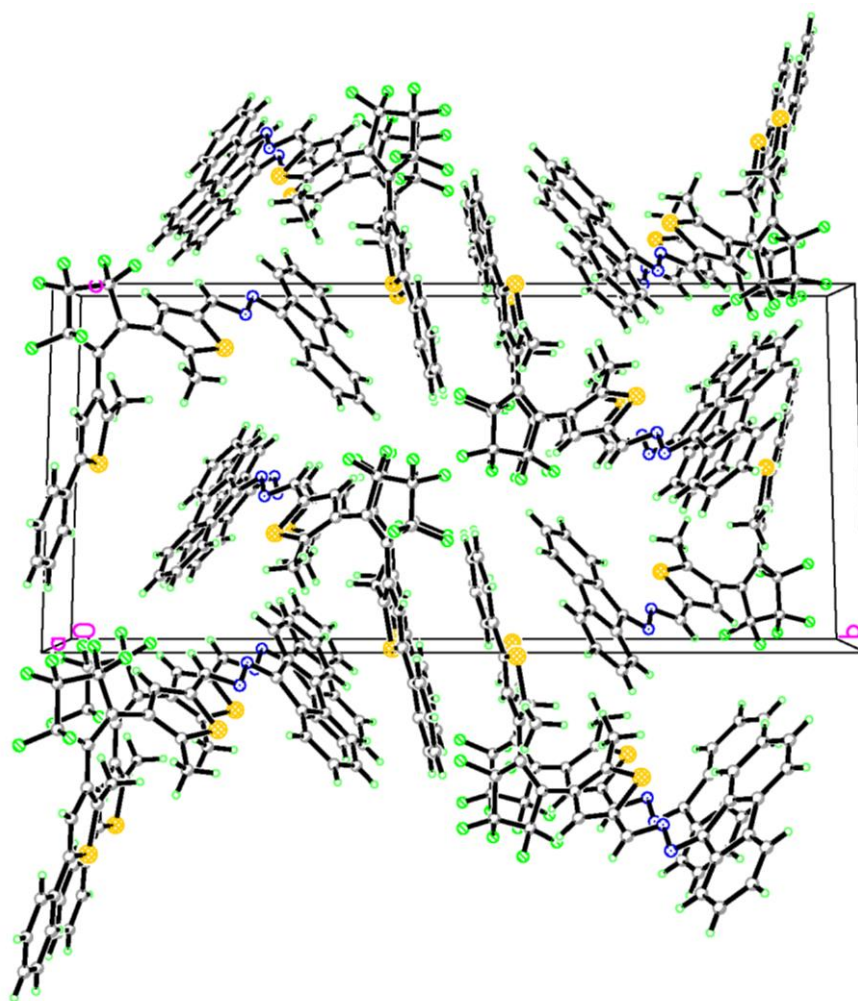


Figure S1. Packing views of crystal **1o** along the x direction.

2. NMR spectra

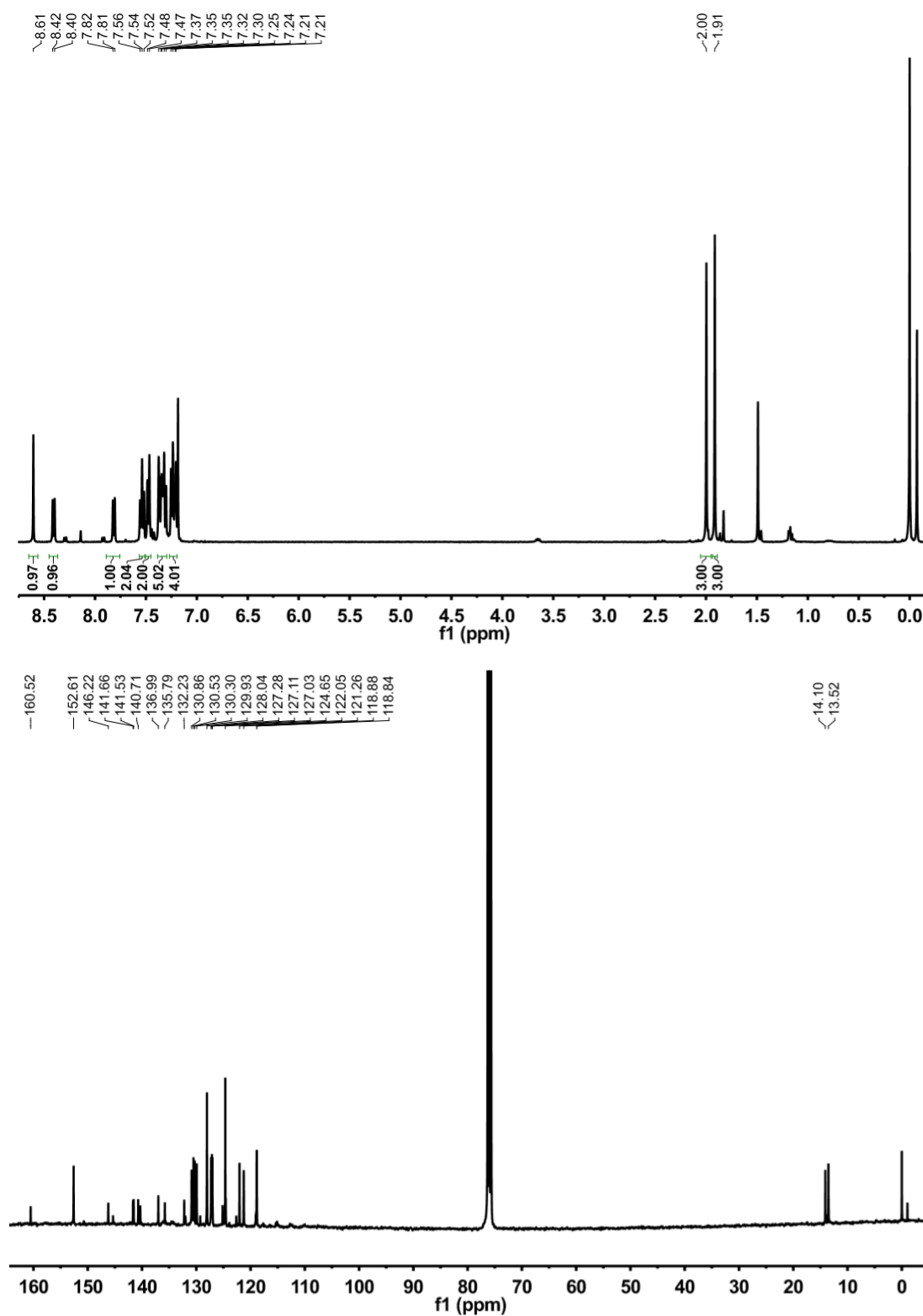


Figure S2. ^1H NMR (400 MHz, CDCl_3 , TMS) and ^{13}C NMR (100 MHz, CDCl_3 , TMS) spectra of **10**.