Electronic Supplementary Information

Multi-addressable molecular switches based on a new diarylethene salicylal Schiff base derivative

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Figure S1. Emission intensity changes of reference compound 11 stimulated by the addition of TEA at room temperature, excited at 480 nm
Figure S2. Changes in fluorescence of salicylidene Schiff base reference compound 11 in methanol \((2.0 \times 10^{-5} \text{ mol L}^{-1})\) induced by Al(III)/EDTA at room temperature, excited at 420 nm: (A) emission intensity of 11 enhanced by addition of Al(III), (B) emission intensity of 11 quenched by addition of EDTA.
Figure S3. Changes in fluorescence of diarylethene 1O in methanol (2.0 × 10⁻⁵ mol L⁻¹) induced by AlCl₃/EDTA at room temperature, excited at 302 nm: (A) emission intensity of 1O enhanced by the addition of AlCl₃, (B) emission intensity of 1O quenched by the addition of EDTA.
Figure S5. $^1$H and $^{13}$C NMR spectra of compound 8
Figure S6. $^1$H and $^{13}$C NMR spectra of compound 9
Figure S7. $^1$H and $^{13}$C NMR spectra of compound 10