

Supplementary Data

A novel off-on fluorescent chemosensor for Al³⁺ derivated from 4,5-diazafluorene Schiff base derivative

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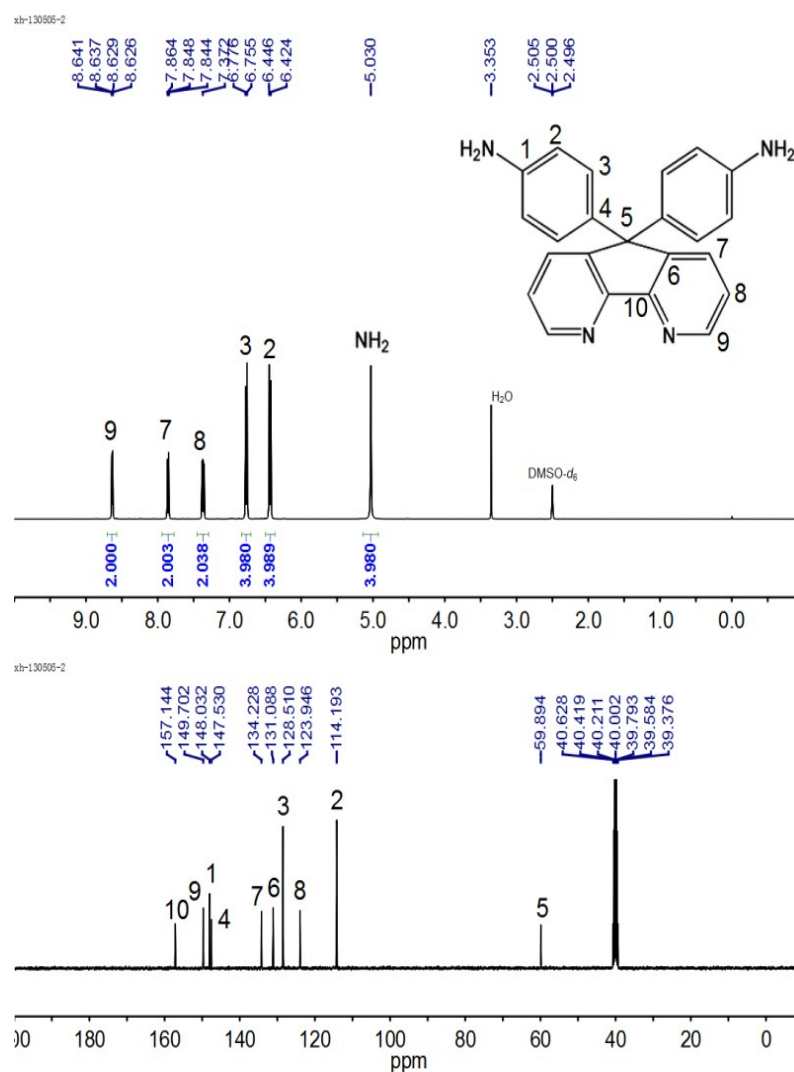


Figure S1. ¹H NMR and ¹³C NMR spectra of compound 2

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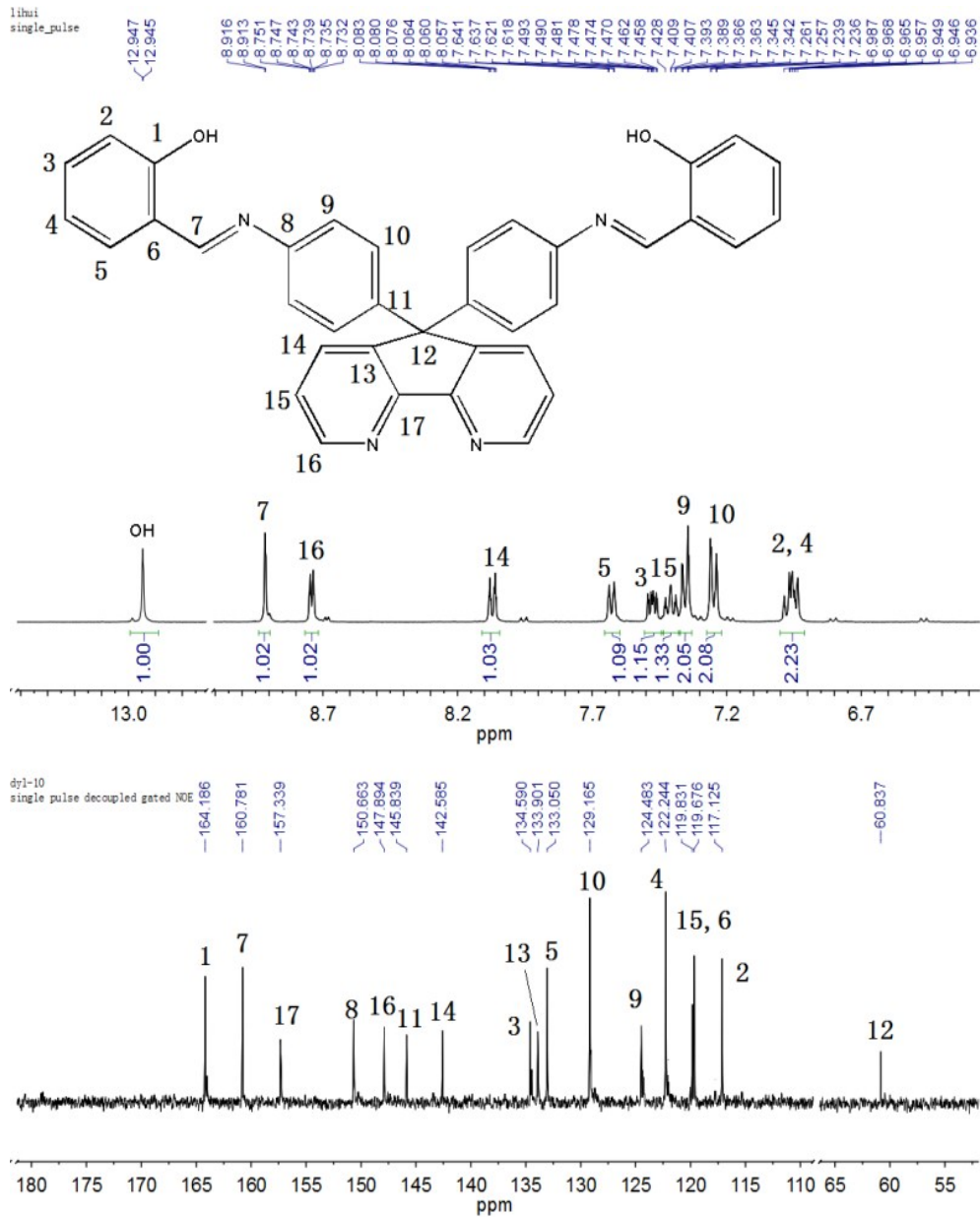


Figure S2. ^1H NMR and ^{13}C NMR spectra of Schiff base DFSB

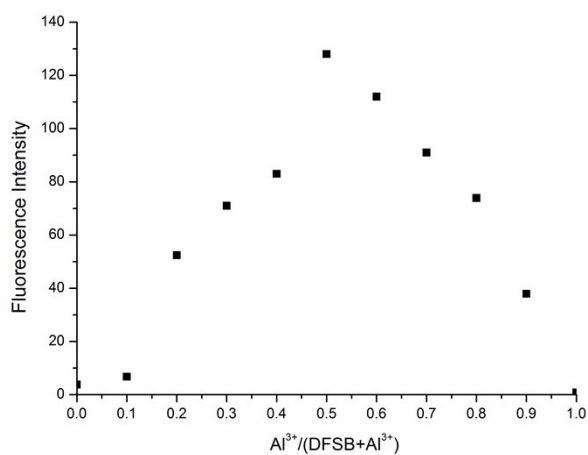


Figure S3 Job's plot of fluorescent probe (DFSB + Al³⁺) at $\lambda_{em}=475$ nm

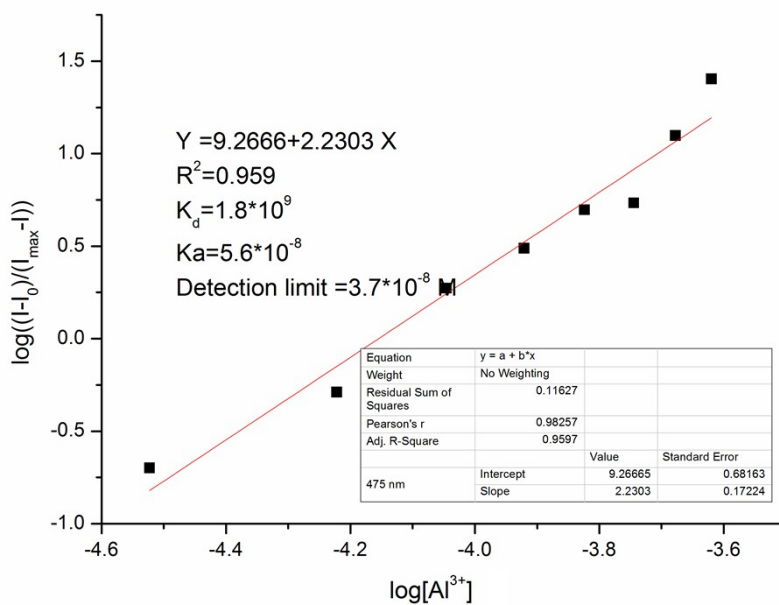


Figure S4 Hill plot of fluorescent probe (DFSB + Al³⁺) at $\lambda_{em}=475$ nm