

A simple 'turn-on' fluorescence chemosensor for Al(III) detection in aqueous solution and solid matrix

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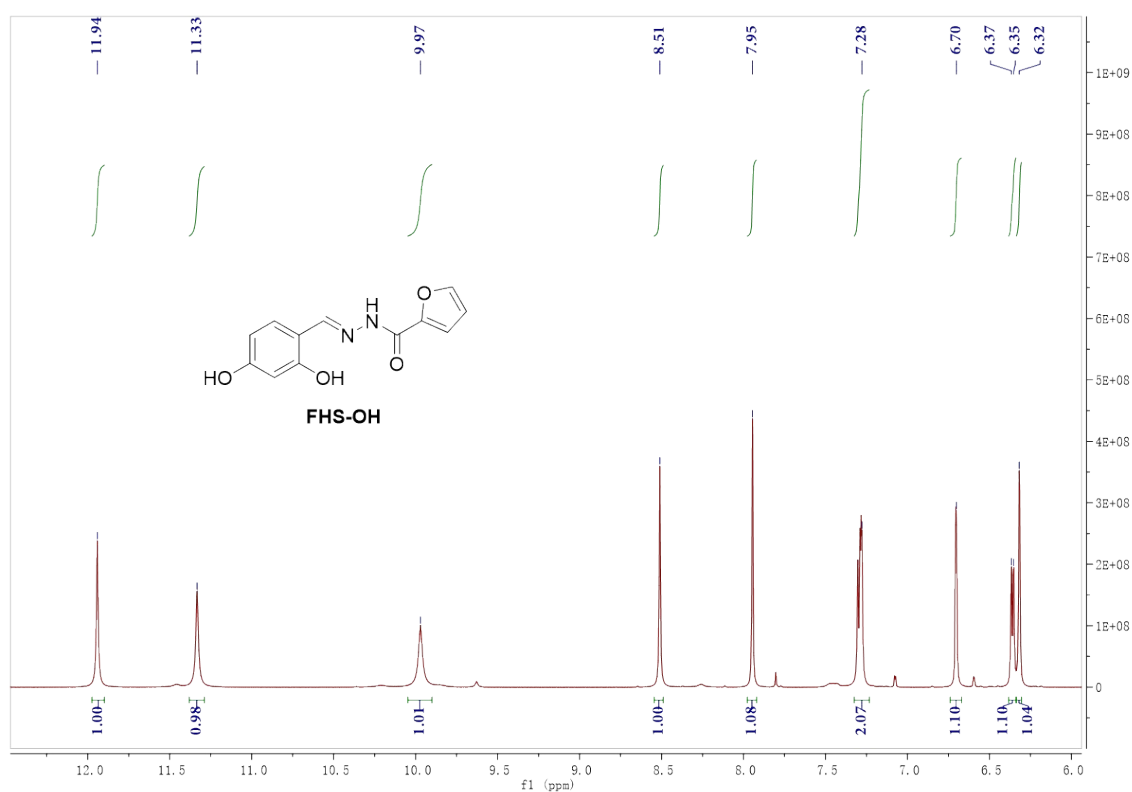


Fig. S1. ¹H-NMR spectrum of FHS-OH in DMSO-d₆.

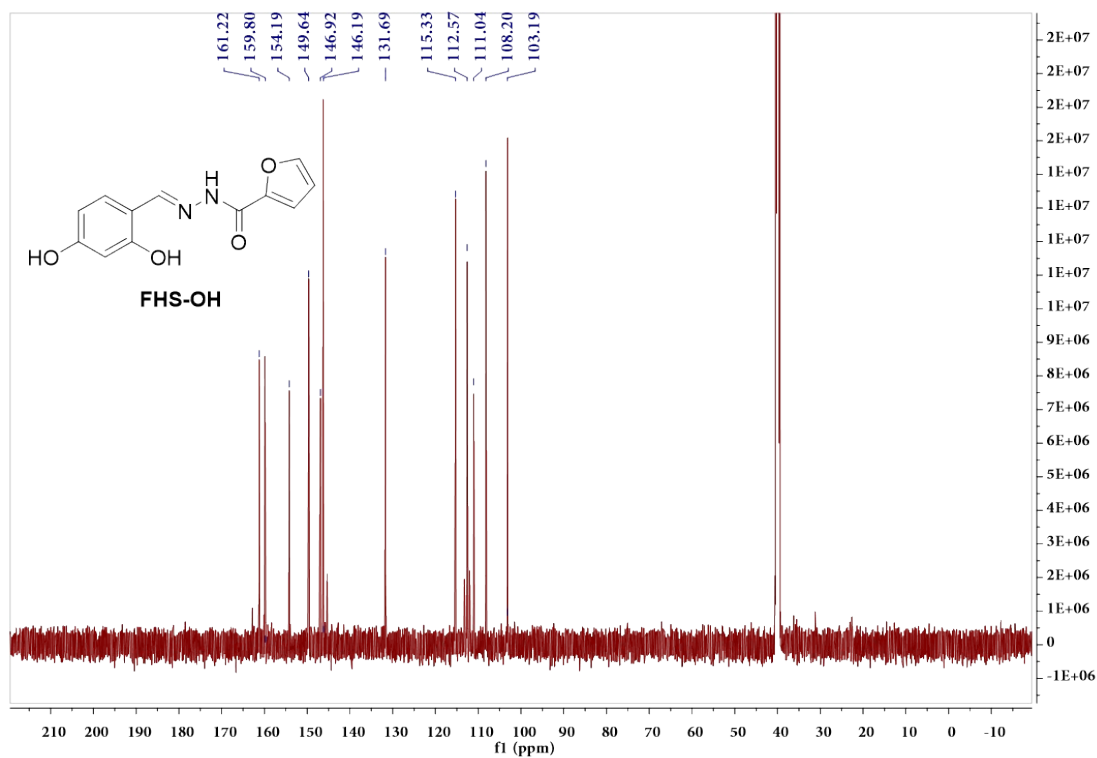


Fig. S2. ^{13}C -NMR spectrum of **FHS-OH** in $\text{DMSO-}d_6$.

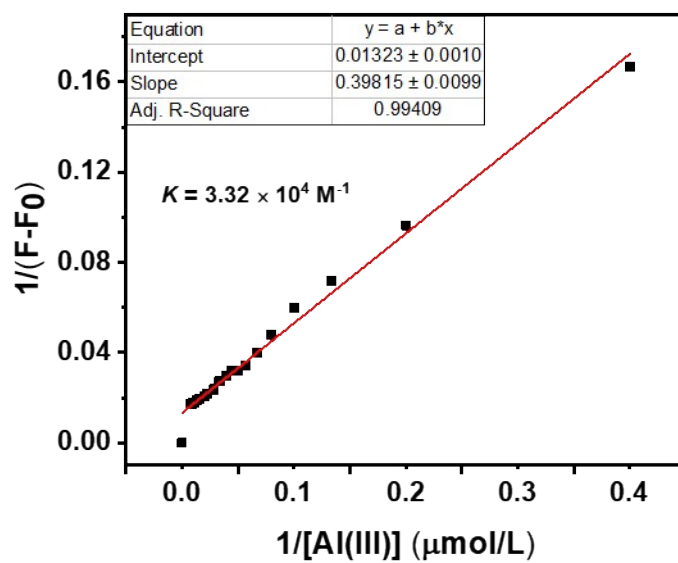


Fig. S3. Benesi-Hildebrand plot of **FHS-OH-Al(III)** complex.

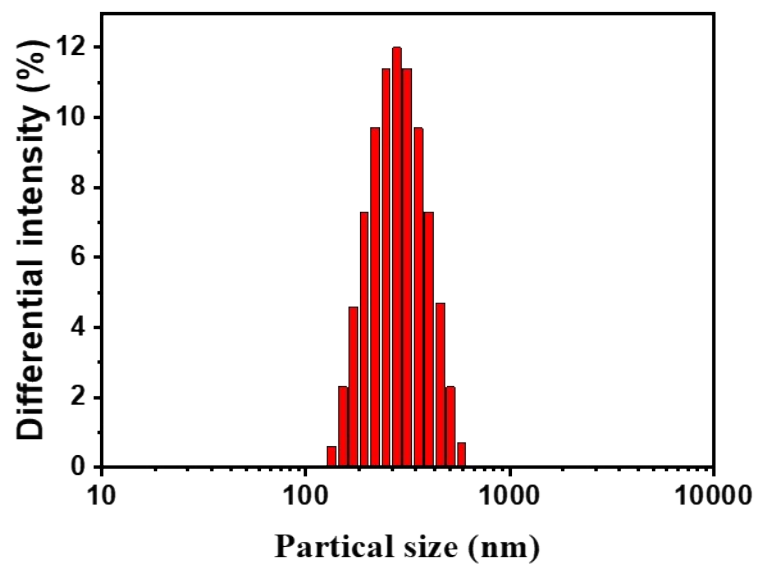


Fig. S4. DLS result of 50 $\mu\text{mol/L}$ **FHS-OH**. Condition: 99% $\text{H}_2\text{O/DMSO}$ (v/v) at pH 7.4 buffered by 10 mmol/L PBS.