

## Supporting Information

### **SnCl<sub>2</sub>[SC(NH<sub>2</sub>)<sub>2</sub>]: Lone-Pair and Hydrogen-Bonding Triggered Chromophore Assembling for the Dual Optical Optimization**

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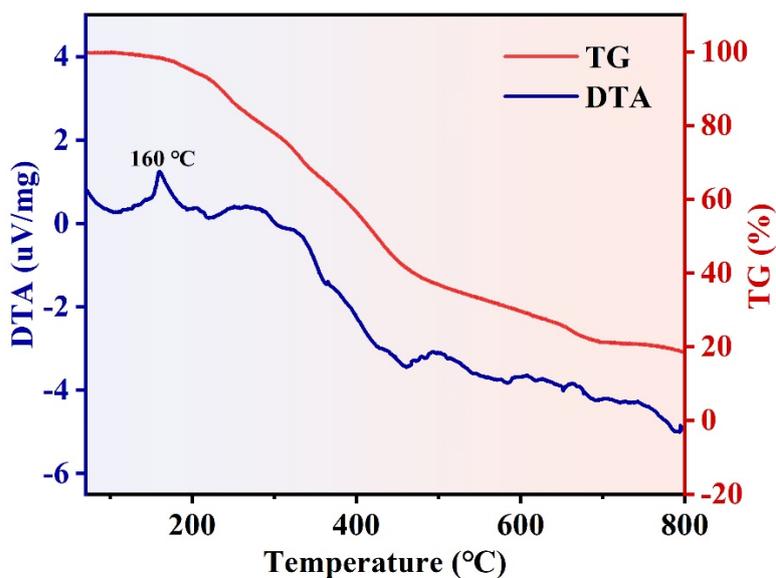
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## Thermal Analysis

Differential thermal analysis (DTA) was carried out on a NETZSCH STA 2500 simultaneous thermal analyzer, using  $\text{Al}_2\text{O}_3$  as the reference material. The measurements were performed under a nitrogen atmosphere, and the sample was heated from 25 °C to 800 °C at a constant heating rate of 15.0 °C/min.

**Figure S1.** DTA and TG curves for  $\text{SnCl}_2[\text{SC}(\text{NH}_2)_2]$



**Figure S2.** Calculated refractive index for  $\text{SnCl}_2[\text{SC}(\text{NH}_2)_2]$

