

## Supplementary data

### Synthesis, characterization and optical properties of $\pi$ -conjugated systems incorporating *closo*-dodecaborate clusters: new potential candidates for two-photon absorption processes

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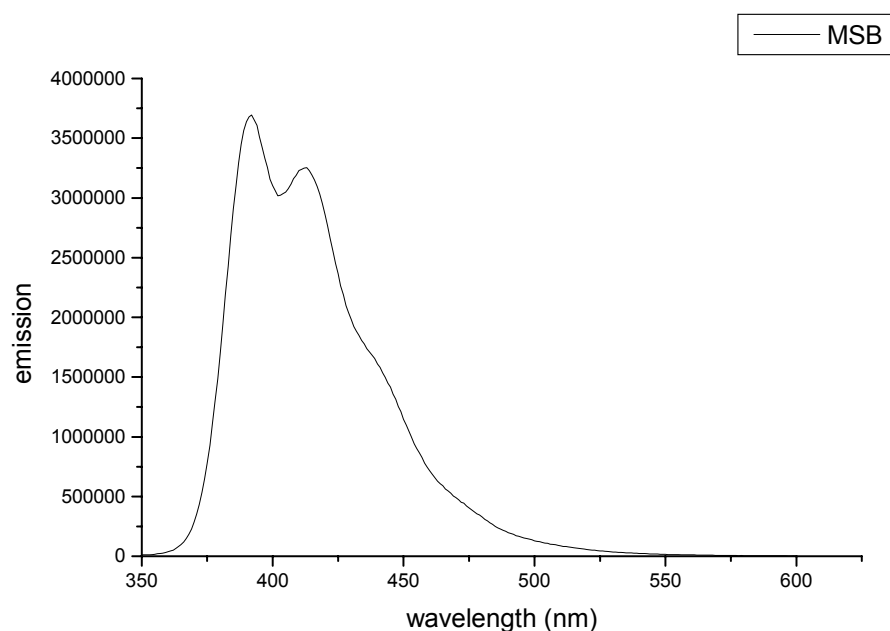
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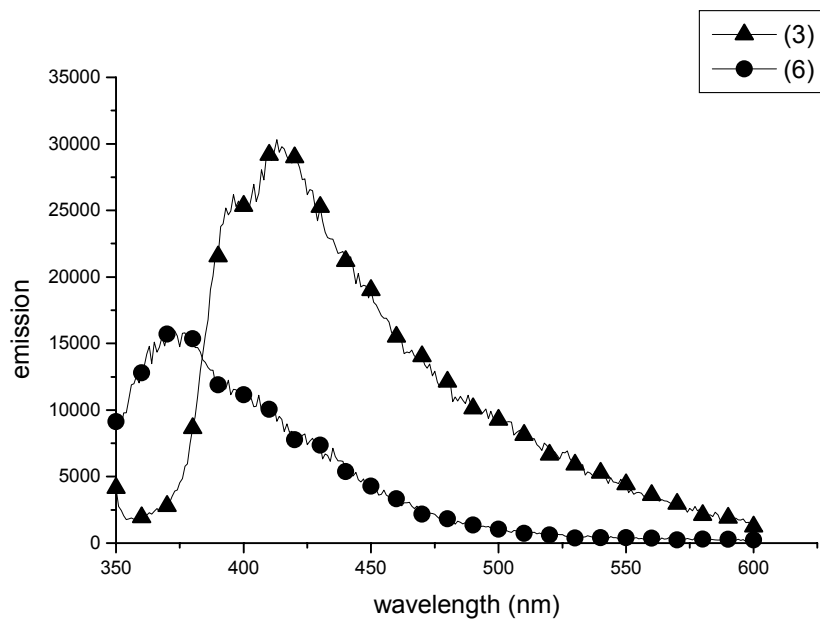
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### Fluorescence emission spectrum of MSB



**Fluorescence emission spectra of  $[\text{NC-C}_6\text{H}_4\text{-C(H)=C(H)-C}_6\text{H}_4\text{-C(H)=N(H)-B}_{12}\text{H}_{11}]^-$  (3)  
and  $\text{NC-C}_6\text{H}_4\text{-C(H)=C(H)-C}_6\text{H}_4\text{-C(H)=N-CH}_3$  (6)**



**Normalized fluorescence emission spectra of MSB, 3, and 6**

