

## Rhodamine B

**Cat:** IR0280

**Storage:** Powder: 2-8°C, 2 years; Insolvent (mother liquid): -20°C, 6 months; -80°C, 1 year (protect from light)

### Parameter

Ex/Em: 545/567nm

CAS: 81-88-9

Molecular Formula: C<sub>28</sub>H<sub>31</sub>ClN<sub>2</sub>O<sub>3</sub>

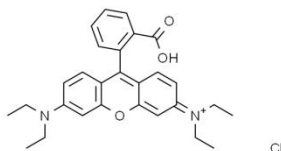
Molecular Weight: 479.01

Purity: HPLC≥98%

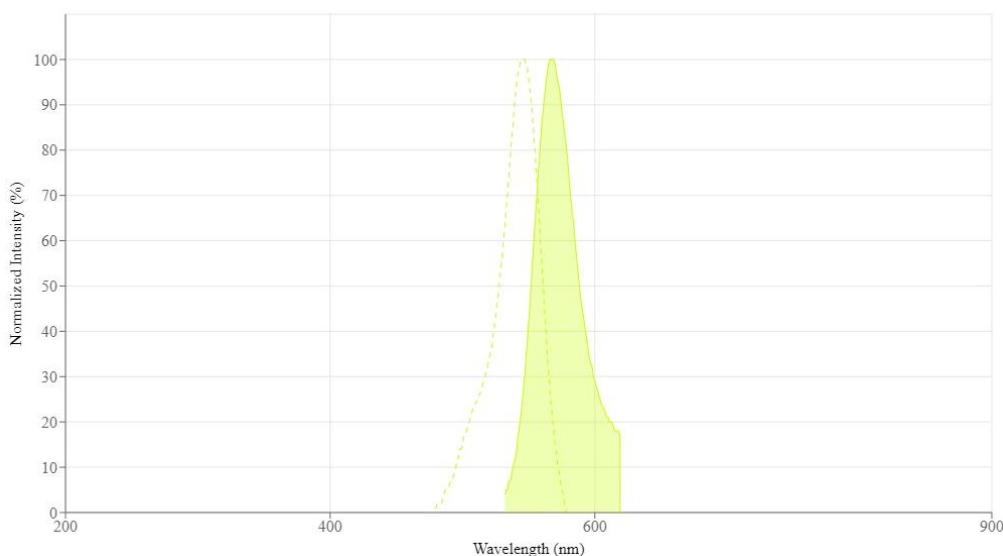
Appearance: Light brown to brown Solid

Solubility: Soluble in Water/DMSO ≥10mg/mL

Note: Moisture-absorbing DMSO has a significant effect on product solubility; use freshly opened DMSO.



### Spectrogram



### Note

1. All fluorescent dyes have quenching problems, please try to avoid light to slow down the fluorescence quenching.
2. For your safety and health, please wear lab coat and disposable gloves.
3. This product is for scientific research use only. Do not use in medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.

### Related Literature

[1]. Li B, Bai Y, Yion C, Wang H, Su X, Feng G, Guo M, Peng W, Shen B, Zheng B. Single-Atom

Nanocatalytic Therapy for Suppression of Neuroinflammation by Inducing Autophagy of Abnormal Mitochondria. ACS Nano. 2023 Apr 25;17(8):7511-7529. doi: 10.1021/acsnano.2c12614. Epub 2023 Apr 5. PMID: 37018124. (IF: 18.0)

[2]. Li B, Bai Y, Yion C, Wang H, Su X, Feng G, Guo M, Peng W, Shen B, Zheng B. Single-Atom Nanocatalytic Therapy for Suppression of Neuroinflammation by Inducing Autophagy of Abnormal Mitochondria. ACS Nano. 2023 Apr 25;17(8):7511-7529. doi: 10.1021/acsnano.2c12614. Epub 2023 Apr 5. PMID: 37018124. (IF: 17.1)

**Note: For more literature, please visit the Solarbio official website.**