

## **Lumiprobe Corporation**

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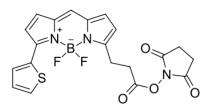
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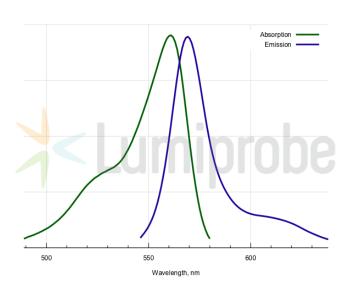
## BDP® 558/568 NHS ester

http://www.lumiprobe.com/p/bdp-558-568-nhs-ester

BDP 558/568 is a borondipyrromethene fluorophore with emission in the yellow part of the spectrum. Its absorption and emission spectra are in similar range as TAMRA, BDP TMR, Cyanine3, and sulfo-Cyanine3. This is an amine reactive NHS ester.







Absorption and emission spectra of BDP 558/568

## **General properties**

Appearance: dark colored solid

Molecular weight: 443.23

CAS number: 150173-73-2 Molecular formula:  $C_{20}H_{16}N_3BF_2O_4S$ 

Solubility: good in DMF, DMSO, ethyl acetate

Quality control: NMR <sup>1</sup>H, HPLC-MS (95%)

Storage conditions: Storage: 12 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

## **Spectral properties**

Excitation/absorption maximum, nm: 561  $\epsilon$ , L·mol<sup>-1</sup>·cm<sup>-1</sup>: 84400 Emission maximum, nm: 569 Fluorescence quantum yield: 0.68  $CF_{260}$ : 0.00  $CF_{280}$ : 0.07

BDP® is a trademark of Lumiprobe