

## **Lumiprobe Corporation**

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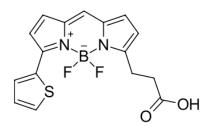
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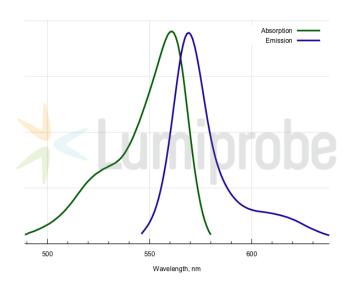
## BDP® 558/568 carboxylic acid

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

BDP 558/568 is a universal borondipyrromethene dye with emission in the yellow region of the spectrum. This derivative is a free carboxylic acid.



Structure of BDP 558/568 carboxylic acid



Absorption and emission spectra of BDP 558/568

## **General properties**

Appearance: dark colored solid

Molecular weight: 346.16

CAS number: 150173-72-1 Molecular formula:  $C_{16}H_{13}N_2BF_2O_2S$ 

Solubility: good in DCM, DMF, DMSO

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

Storage conditions: Storage: 24 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 $^{-1}$ ·cm $^{-1}$ : 84400 Emission maximum, nm: 569 Fluorescence quantum yield: 0.68  $CF_{260}$ : 0.00  $CF_{280}$ : 0.07

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