

## **Lumiprobe Corporation**

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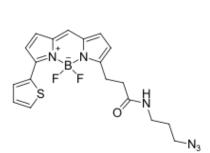
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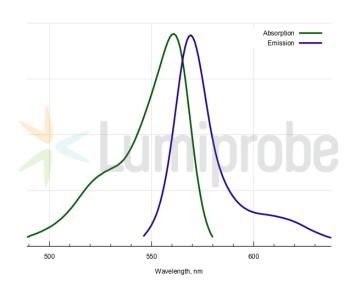
## **BDP® 558/568 azide**

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

BDP 558/568 azide is a borondipyrromethene dye with azide functional group for click chemistry. Its spectra are close to Cyanine3 channel. The fluorophore has been used for lipid tracking as BDP 558/568  $C_{12}$ , but azide functional groups allow easy conjugation with a wide variety of other molecules of interest.



Structure of BDP 558/568 azide



Absorption and emission spectra of BDP 558/568

## **General properties**

Appearance: dark colored solid

Mass spec M+ increment: 428.1 Molecular weight: 428.27

Molecular formula:  $C_{19}H_{19}N_6BF_2OS$ 

Solubility: soluble in many organic solvents (DCM, acetone, alcohols, DMF, DMSO), low solubility

in water

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

BDP® is a trademark of Lumiprobe