

Lumiprobe Corporation

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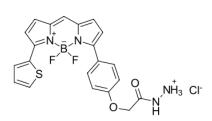
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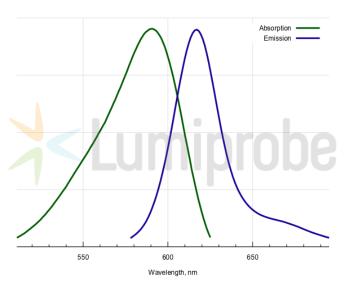
BDP® TR hydrazide

http://www.lumiprobe.com/p/bdp-tr-hydrazide

BDP TR is a borondipyrromethene dye for ROX channel. This compound is a hydrazide reactive derivative that can be used for the labeling of aldehydes and ketones with BDP TR.



Structure of BDP TR hydrazide



Absorption and emission spectra of BDP TR

General properties

Appearance: violet powder

Mass spec M+ increment: 419.1 Molecular weight: 474.72

Molecular formula: $C_{21}H_{18}N_4BCIF_2O_2S$

Solubility: good in DMF, DMSO, moderate in water

Quality control: NMR ¹H, 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: 589 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 69000 Emission maximum, nm: 616 Fluorescence quantum yield: 0.9 CF_{260} : 0.15 CF_{280} : 0.19

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