

Lumiprobe Corporation

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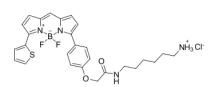
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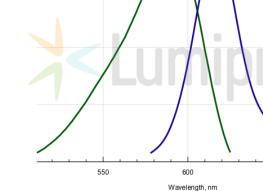
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BDP® TR amine

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

BDP TR is a bright borondipyrromethene dye for the ROX channel. Unlike ROX, it is very stable to oxidation. This amine derivative is useful for the conjugation with electrophilic reagents like epoxides and activated carboxyl derivatives, as well as for enzymatic transamination reactions.





Structure of BODIPY TR amine

Absorption and emission spectra of BDP TR

Absorption Emission

650

General properties

Appearance: dark colored solid

Molecular weight: 558.88

CAS number: 2183473-18-7 Molecular formula: $C_{27}H_{30}N_4BCIF_2O_2S$

Solubility: good in DCM, DMSO, DMF

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 $^{-1}$: 60000 Emission maximum, nm: 616 Fluorescence quantum yield: 0.9 CF_{260} : 0.15 CF_{280} : 0.19

BDP® is a trademark of Lumiprobe