

## **Lumiprobe Corporation**

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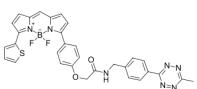
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## **BDP® TR tetrazine**

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

BDP TR dye tetrazine derivative for TCO ligation reaction with cycloalkenes. BDP TR is an excellently bright multi-purpose borondipyrromethene dye for the ROX channel.



550 600 650 Wavelength, nm

Absorption Emission

Structure of BDP TR tetrazine

Absorption and emission spectra of BDP TR

## **General properties**

Appearance: violet crystals

577.2 Mass spec M+ increment: Molecular weight: 607.44

Molecular formula:  $C_{31}H_{24}N_7BF_2O_2S$ 

Solubility: good in DMF, DMSO, DCM 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: 589  $\epsilon$ , L·mol<sup>-1</sup>·cm<sup>-1</sup>: 60000 Emission maximum, nm: 616 Fluorescence quantum yield: 0.9 CF<sub>260</sub>: 0.15 0.19 CF<sub>280</sub>:

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