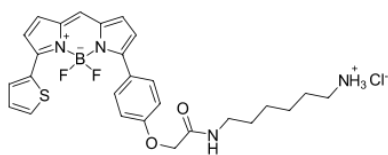


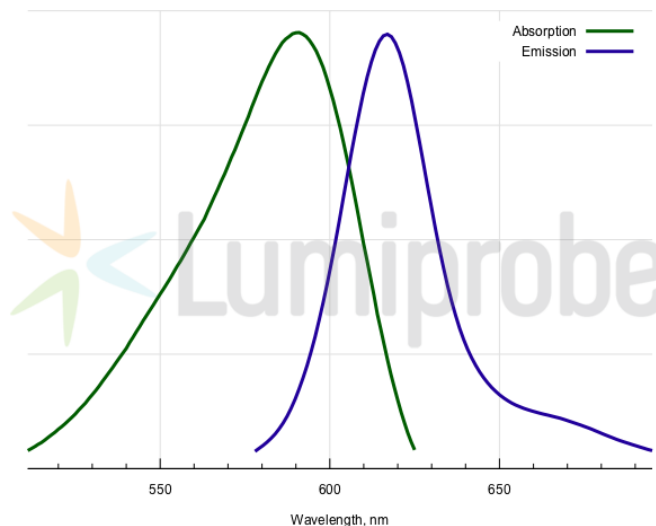
BDP® TR amine

<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

General properties

| | |
|---------------------|--|
| Appearance: | dark colored solid |
| Molecular weight: | 558.88 |
| CAS number: | 2183473-18-7 |
| Molecular formula: | C ₂₇ H ₃₀ N ₄ BClF ₂ O ₂ S |
| Solubility: | good in DCM, DMSO, DMF |
| Quality control: | NMR ¹ H, HPLC-MS (95%) |
| Storage conditions: | Storage: 24 months after receipt 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