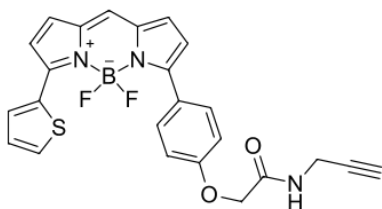


BDP® TR alkyne

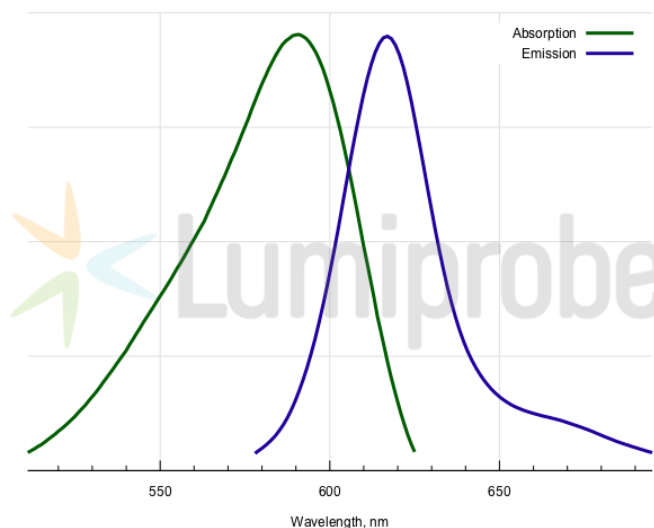
<http://www.lumiprobe.com/p/bdp-tr-alkyne>

BDP TR is a borondipyrromethene fluorophore for ROX channel. This is a universal fluorophore that can be used for microscopy, fluorescence polarization assay, and other applications.

This derivative is a terminal alkyne for copper-catalyzed Click chemistry.



Structure of BDP TR alkyne



Absorption and emission spectra of BDP TR

General properties

| | |
|-------------------------|--|
| Appearance: | dark colored solid |
| Mass spec M+ increment: | 461.1 |
| Molecular weight: | 461.29 |
| CAS number: | 2006345-35-1 |
| Molecular formula: | C ₂₄ H ₁₈ N ₃ BF ₂ O ₂ S |
| Solubility: | good in DMF, DMSO, DCM |
| 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 : | 69000 |
| Emission maximum, nm: | 616 |
| Fluorescence quantum yield: | 0.9 |
| CF ₂₆₀ : | 0.15 |
| CF ₂₈₀ : | 0.19 |