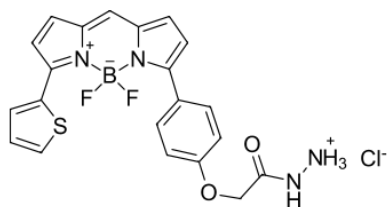


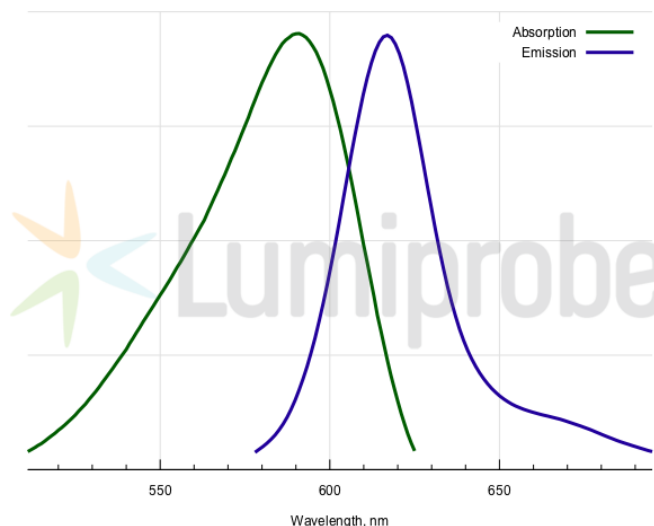
BDP TR hydrazide

<http://www.lumiprobe.com/p/bodipy-tr-hydrazide>

BDP TR is a borondipyrromethene (BODIPY®) 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 ₄ BClF ₂ O ₂ S
Solubility:	good in DMF, DMSO, moderate in water
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.

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

BDP® is a trademark of Lumiprobe Corporation. BODIPY™ is a registered trademark of Thermo Fisher Scientific in some countries.