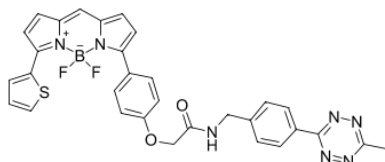


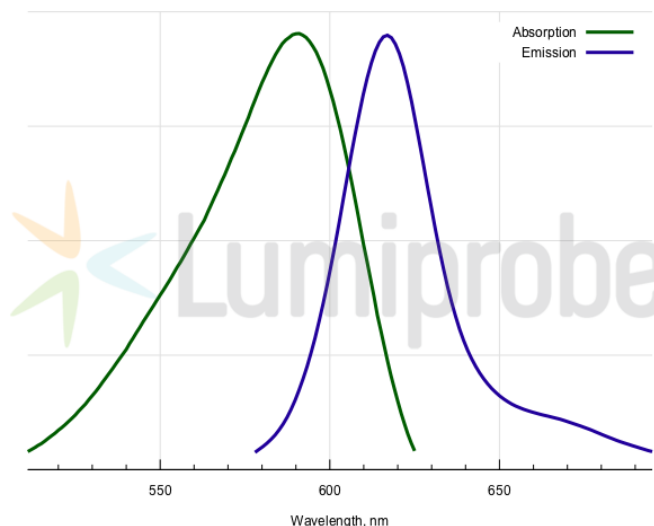
BDP® TR tetrazine

<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.



Structure of BDP TR tetrazine



Absorption and emission spectra of BDP TR

General properties

Appearance:	violet crystals
Mass spec M+ increment:	577.2
Molecular weight:	607.44
Molecular formula:	C ₃₁ H ₂₄ N ₇ 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 :	60000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19

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