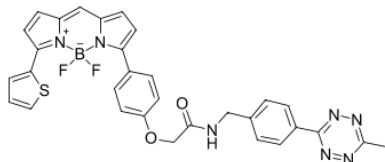


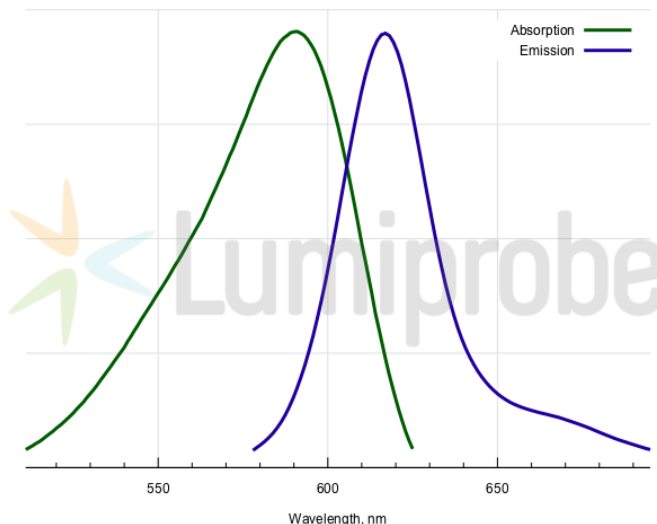
BDP TR tetrazine

BDP TR dye tetrazine derivative for TCO ligation reaction of cycloalkenes with tetrazines.

BDP TR is a multi-purpose borondipyrromethene dye for ROX/Texas Red channel, possessing excellent brightness.



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.
TN VED Code:	3204190000

Spectral properties

Excitation 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