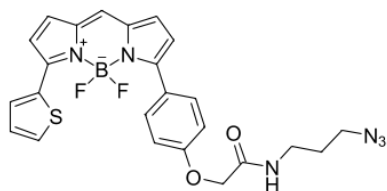


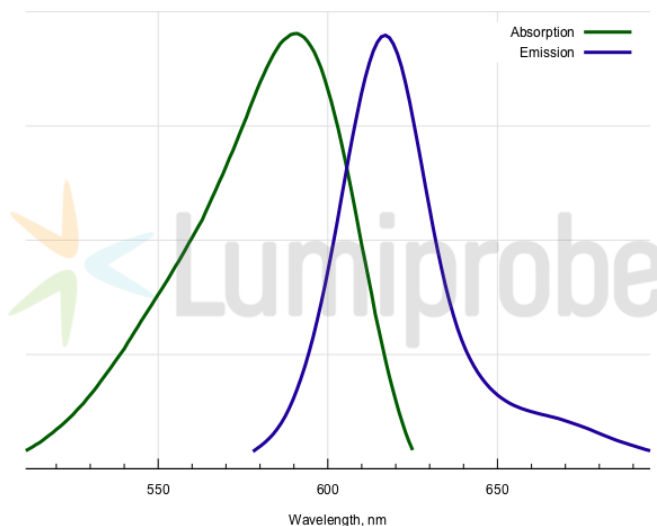
BDP TR azide

This is an azide for copper catalyzed and copper free Click chemistry labeling with BDP TR, a bright red emitting fluorophore. BDP TR is an alternative to ROX and Texas Red. This fluorophore is based on borondipyrromethene scaffold, and contains aryl substituents to match its absorption and emission to ROX/Texas Red channel.

ROX and Texas Red dyes are prone to oxidation, BDP TR is much more resilient to oxidants. Its brightness and photostability is also very high.



Structure of BDP TR azide



Absorption and emission spectra of BODIPY TR

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	506.2
Molecular weight:	506.34
Molecular formula:	C ₂₄ H ₂₁ N ₆ 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 :	69000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19