

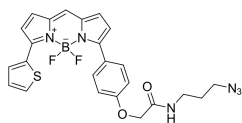
BDP TR azide (A270115)

Specifications:

Name:	BDP TR azide
Description:	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.
Absorption Maxima:	589 nm
Extinction Coefficient:	69000 M ⁻¹ cm ⁻¹
Emission Maxima:	616 nm
Fluorescence Quantum Yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19
Mass Spec M+ Shift after Conjugation:	506.2
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₄ H ₂₁ N ₆ BF ₂ O ₂ S
Molecular Weight:	506.34 kDa
Product Form:	Dark colored solid.
Solubility:	Good in DMF, DMSO, and DCM.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

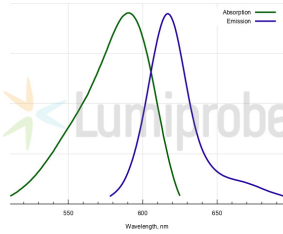
Images:

Structure of BDP TR azide.



BDP TR azide (A270115)

Images continued:



Absorption and emission spectra of BODIPY TR.