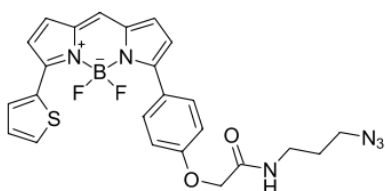


BDP® TR azide

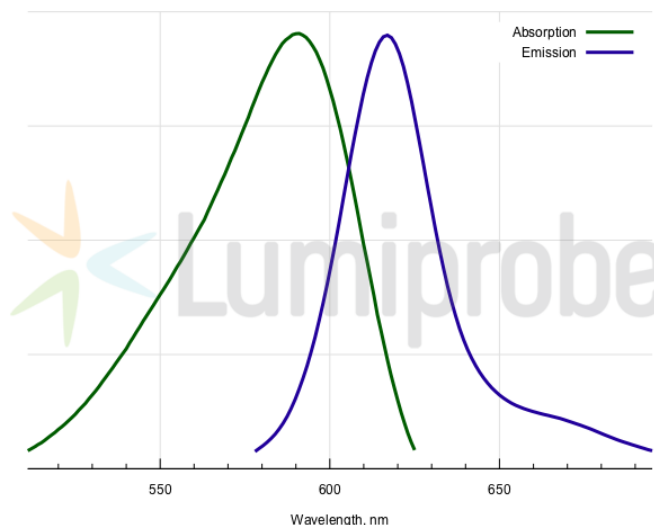
<http://www.lumiprobe.com/p/bdp-tr-azide>

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. This fluorophore is based on borondipyrromethene scaffold and contains aryl substituents to match its absorption and emission to the ROX channel.

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



Structure of BDP TR azide



Absorption and emission spectra of BDP TR

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	506.2
Molecular weight:	506.34
CAS number:	2183473-27-8
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.
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 :	69000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19