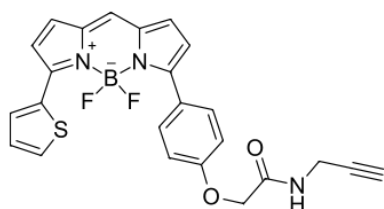


BDP TR alkyne

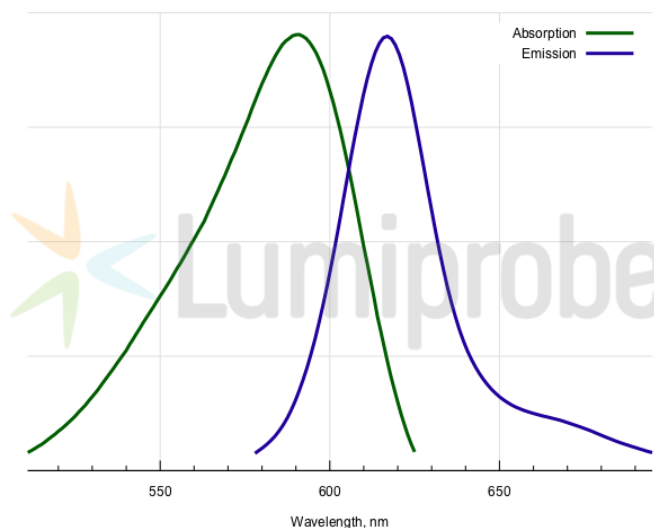
<http://www.lumiprobe.com/p/bodipy-tr-alkyne>

BDP TR is a borondipyrromethene fluorophore for ROX channel. This is a universal fluorophore that can be used for microscopy, fluorescence polarization assay, and other applications.

This derivative is a terminal alkyne for copper-catalyzed Click chemistry.



Structure of BDP TR alkyne



Absorption and emission spectra of BDP TR

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	461.1
Molecular weight:	461.29
CAS number:	2006345-35-1
Molecular formula:	C ₂₄ H ₁₈ N ₃ 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.

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

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