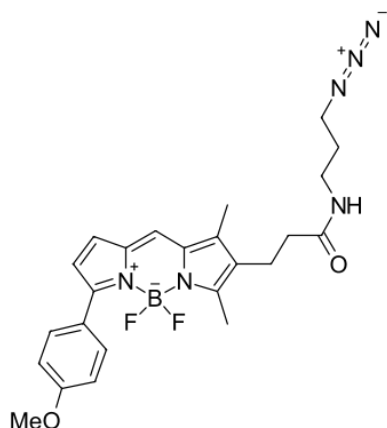


BDP TMR azide

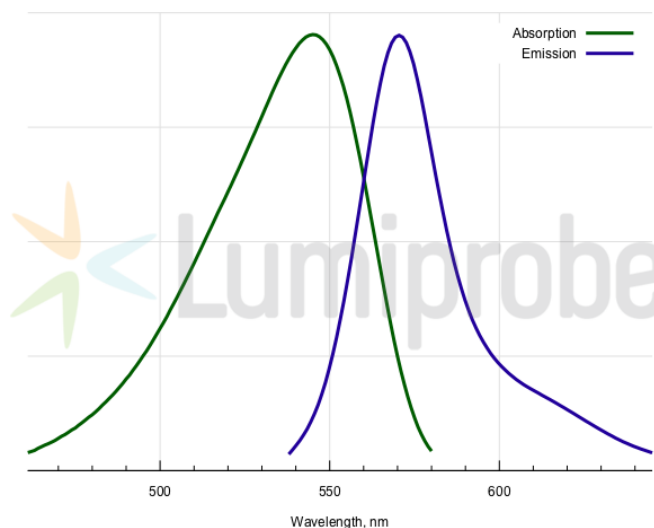
<http://www.lumiprobe.com/p/bodipy-tmr-azide>

BDP TMR is a borondipyrromethene fluorophore with excitation and emission wavelengths matching TAMRA dye channels. The dye has a long fluorescence lifetime.

This derivative is an azide for Click chemistry labeling.



Structure of BDP TMR azide



Absorption and emission spectra of BODIPY TMR

General properties

Appearance:	orange to brown solid
Mass spec M+ increment:	480.2
Molecular weight:	480.32
CAS number:	2183473-25-6; 2373346-19-9
Molecular formula:	C ₂₄ H ₂₇ BF ₂ N ₆ O ₂
Solubility:	good in most organic solvents
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:	542
ε, L·mol ⁻¹ ·cm ⁻¹ :	55000
Emission maximum, nm:	574
Fluorescence quantum yield:	0.64
CF ₂₆₀ :	0.16
CF ₂₈₀ :	0.16

BDP® is a trademark of Lumiprobe