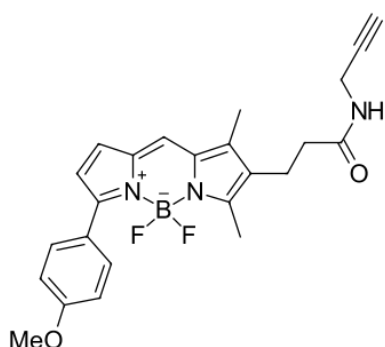


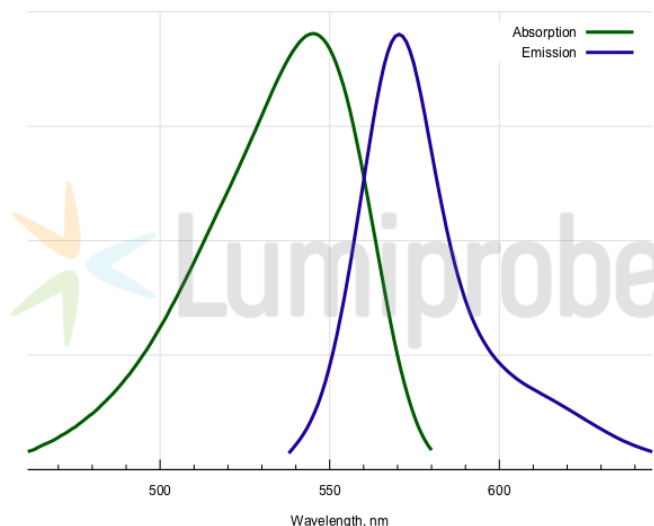
BDP TMR alkyne

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

BDP TMR is a fluorophore for the TAMRA channel. Due to the high quantum yield, it is much brighter than TAMRA. This alkyne dye can be conjugated with azides by copper-catalyzed click chemistry reaction.



Structure of BDP TMR alkyne



Absorption and emission spectra of BDP TMR

General properties

Appearance:	green-black crystals
Mass spec M+ increment:	435.19
Molecular weight:	435.28
CAS number:	2006345-32-8
Molecular formula:	C ₂₄ H ₂₄ BF ₂ N ₃ O ₂
Solubility:	good in chlorinated organic solvents, DMSO, alcohols
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

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