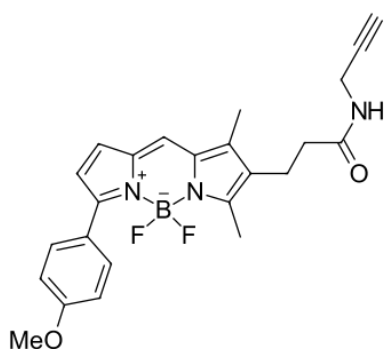


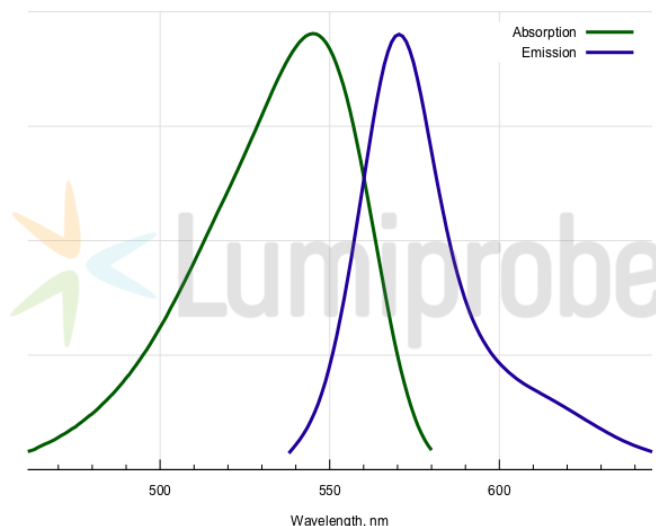
BDP® TMR alkyne

<http://www.lumiprobe.com/p/bdp-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.
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:	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