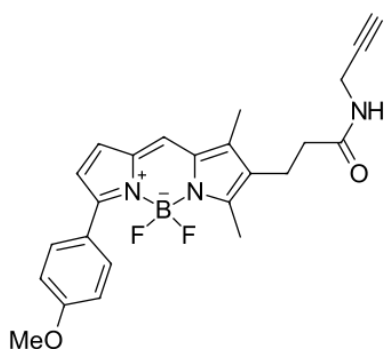
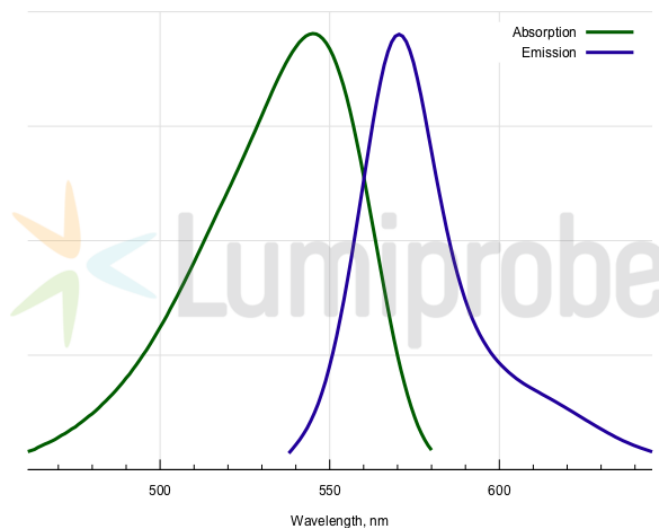


BDP TMR alkyne

BDP TMR is a fluorophore for TAMRA channel. Due to 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 BODIPY TMR alkyne



Absorption and emission spectra of BODIPY TMR

General properties

Appearance:	green-black crystals
Mass spec M+ increment:	435.19
Molecular weight:	435.28
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.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	545
Emission maximum, nm:	570
Fluorescence quantum yield:	0.95
CF ₂₆₀ :	0.16
CF ₂₈₀ :	0.16

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