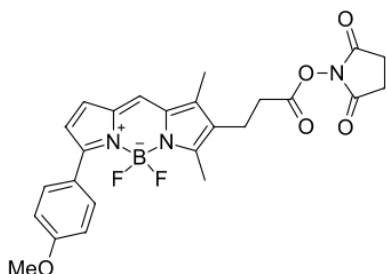


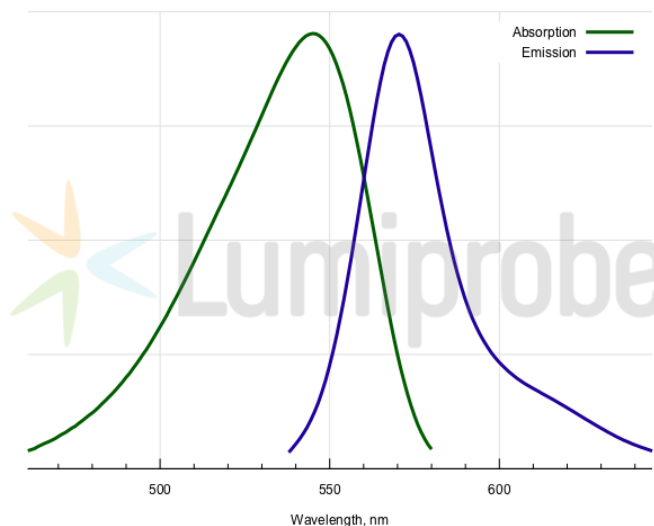
BDP TMR NHS ester

BDP TMR is a borondipyrromethene dye, analog of BODIPY® TMR. This is an amine-reactive NHS ester for the labeling of proteins, peptides, and other molecules with amino groups.

BDP TMR is a dye for TAMRA channel, which is however much brighter than TAMRA. Because of rather long life time of excited state, this fluorophore is a good choice for fluorescence anisotropy measurements, especially with the short linker offered. Fluorescence polarization is an excellent method for high throughput binding assays.



Structure of BODIPY TMR NHS ester



Absorption and emission spectra of BDP TMR

General properties

Appearance:	purple solid
Mass spec M+ increment:	380.2
Molecular weight:	495.28
CAS number:	485397-12-4
Molecular formula:	C ₂₅ H ₂₄ BF ₂ N ₃ O ₅
Solubility:	good in most organic solvents (DMF, DMSO, DCM, acetone, etc.)
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 12 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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