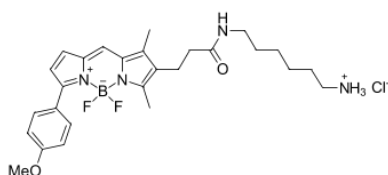


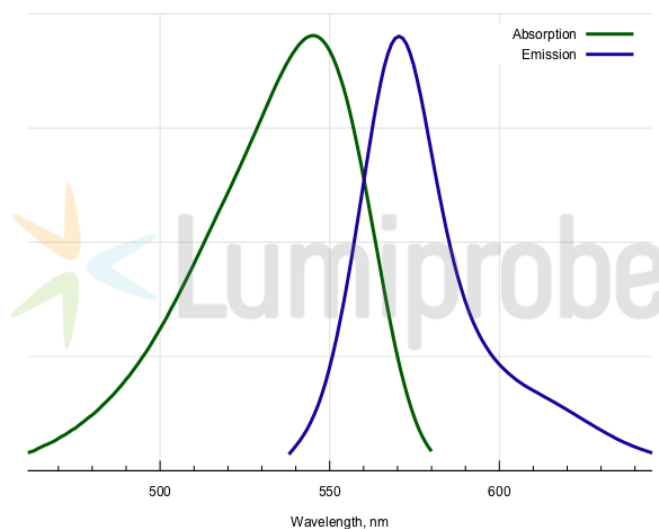
BDP TMR amine

BDP TMR is a dye for TAMRA channel. Unlike original TAMRA, it however possesses very good quantum yield, and therefore high brightness.

This derivative contains a primary amine group that can be conjugated with various electrophiles. It can also participate in enzymatic transamination reaction.



BODIPY TMR amine structure



Absorption and emission spectra of BODIPY TMR

General properties

Appearance:	violet solid
Molecular weight:	532.86
Molecular formula:	C ₂₇ H ₃₆ BClF ₂ N ₄ O ₂
IUPAC name:	1,3-dimethyl-2-(6-aminohexylaminocarbonyl)-4,4-difluoro-5-(4-methoxyphenyl)borondipyrromethene
Solubility:	good in alcohols, DMF, DMSO
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