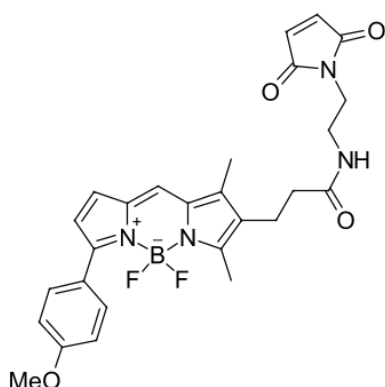


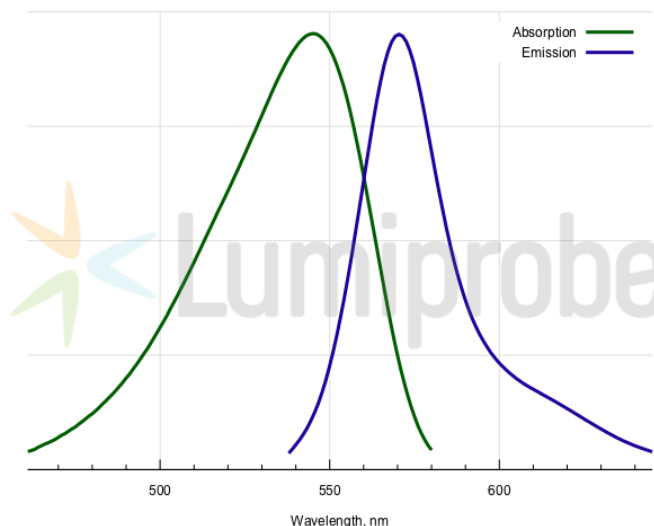
BDP TMR maleimide

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

BDP TMR is a bright borondipyrromethene fluorophore for the TAMRA channel. This maleimide derivative is suitable for conjugation with thiol groups as e.g. in protein side chains.



Structure of BODIPY TMR maleimide



Absorption and emission spectra of BDP TMR

General properties

Appearance:	purple powder
Mass spec M+ increment:	520.2
Molecular weight:	520.34
CAS number:	2183473-34-7
Molecular formula:	C ₂₇ H ₂₇ BF ₂ N ₄ O ₄
IUPAC name:	2-(2-(N-maleimidoethylaminocarbonyl)-1,3-dimethyl-5-(4-methoxyphenyl)-4,4-difluoroborondipyrromethene
Solubility:	good in DCM, 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.

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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