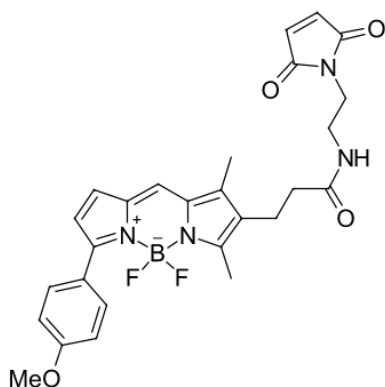


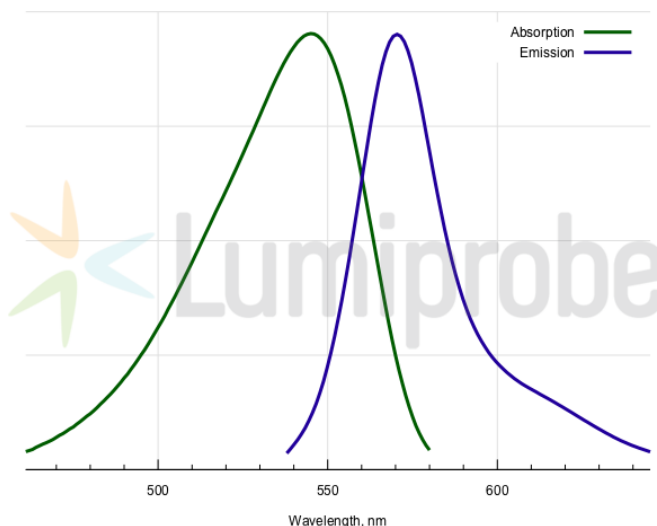
BDP® TMR maleimide

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

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