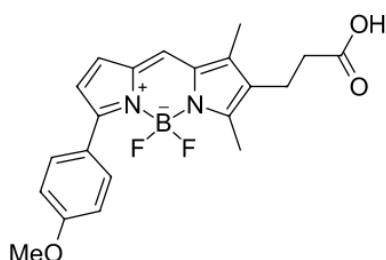


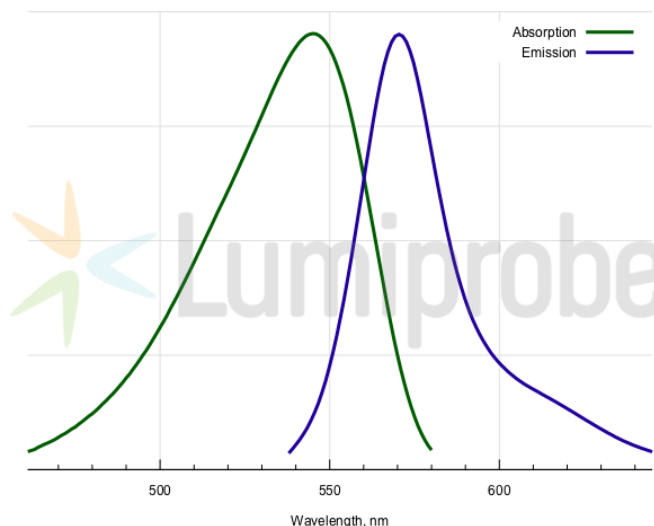
BDP TMR carboxylic acid

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

This free carboxylic acid can be used as a non-reactive control in side-by side experiments with other reactive derivatives of BDP TMR. It can also be used for Steglich esterification.



Structure of BODIPY TMR carboxylic acid



Absorption and emission spectra of BDP TMR

General properties

Appearance:	dark green-black crystals
Molecular weight:	398.21
CAS number:	287384-28-5
Molecular formula:	C ₂₁ H ₂₁ BF ₂ N ₂ O ₃
IUPAC name:	3-[4,4-Difluoro-5-(p-methoxyphenyl)-1,3-dimethyl-3a,4a-diaza-4-bora-s-indacen-2-yl]propionic acid
Solubility:	good in alcohols, DMSO, DMF
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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