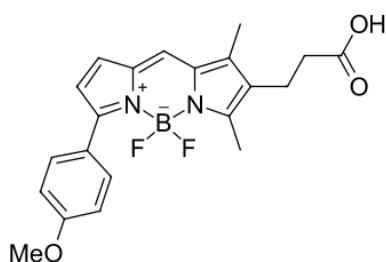


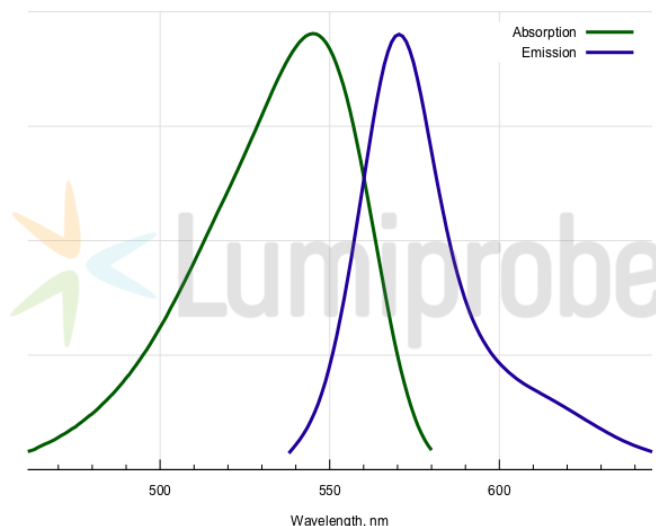
BDP® TMR carboxylic acid

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