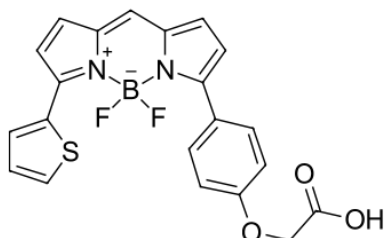


BDP TR carboxylic acid

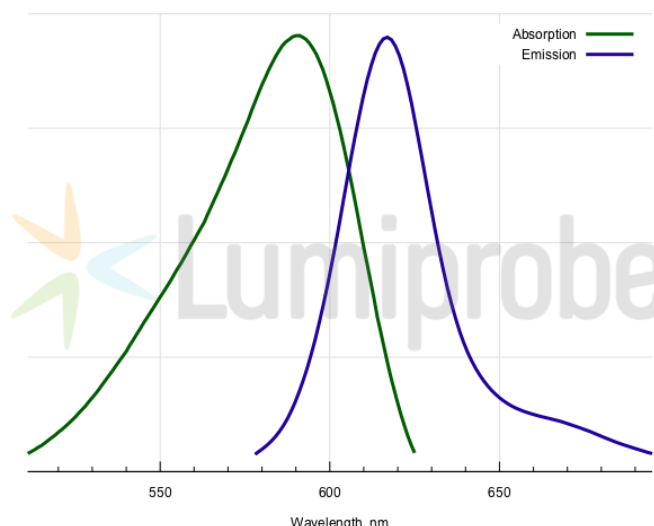
<http://www.lumiprobe.com/p/bodipy-tr-carboxylic-acid>

BDP TR is a bright and photostable fluorophore for ROX channel. It is moderately hydrophobic, has relatively long lifetime of the excited state, and significant two photon cross section.

This carboxylic acid derivative can be used for the labeling of alcohols by Steglich esterification, or in non-conjugated form (non-activated carboxy group can be considered inert for applications that do not require conjugation).



Structure of BDP TR carboxylic acid



Absorption and emission spectra of BODIPY TR

General properties

Appearance:	dark colored solid
Molecular weight:	424.23
CAS number:	150152-64-0
Molecular formula:	C ₂₁ H ₁₅ N ₂ BF ₂ O ₃ S
Solubility:	good in 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:	589
ε, L·mol ⁻¹ ·cm ⁻¹ :	69000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19

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