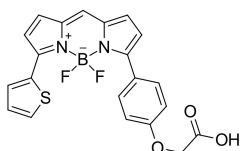


BDP TR carboxylic acid (A270116)

Specifications:

Name:	BDP TR carboxylic acid
Description:	BDP TR is a bright and photostable fluorophore for ROX/Texas red 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).
Absorption Maxima:	589 nm
Extinction Coefficient:	69000 M ⁻¹ cm ⁻¹
Emission Maxima:	616 nm
Fluorescence Quantum Yield:	0.9
CAS Number:	150152-64-0
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₁ H ₁₅ N ₂ BF ₂ O ₃ S
Molecular Weight:	424.23 kDa
Product Form:	Dark colored solid.
Solubility:	Good in DMF and DMSO.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

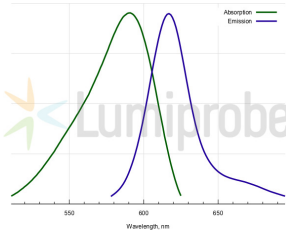
Images:



Structure of BDP TR carboxylic acid.

BDP TR carboxylic acid (A270116)

Images continued:



Absorption and emission spectra of BODIPY TR.