

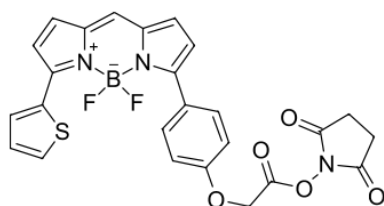
BDP TR NHS ester

<http://www.lumiprobe.com/p/bodipy-tr-nhs-ester>

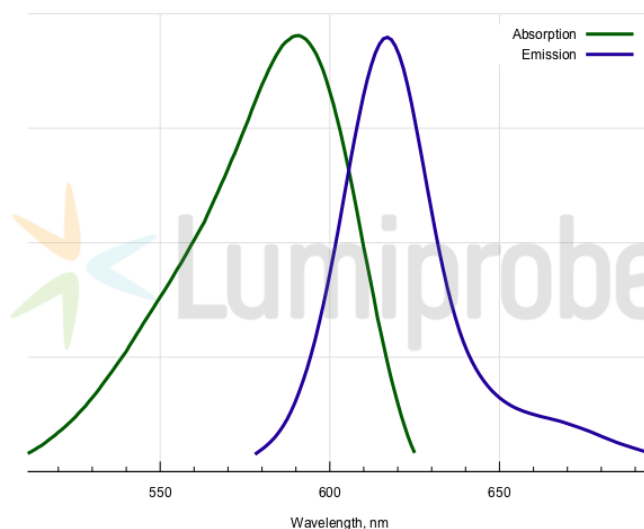
This product will be discontinued soon in favor of [BDP TR X NHS ester](#). We may still have some material in stock (please see availability above).

BDP TR is a bright and photostable borondipyrromethene dye, which is especially suitable for microscopy applications. The dye has a long excited state lifetime, and is therefore useful for fluorescence polarization assays. Its large two-photon cross section makes this dye useful for two-photon spectroscopy.

This NHS ester is an amine-reactive form of the dye.



BDP TR NHS ester structure



Absorption and emission spectra of BODIPY TR

General properties

Appearance:	dark blue-black crystals
Mass spec M+ increment:	406.1
Molecular weight:	521.30
CAS number:	150152-65-1
Molecular formula:	C ₂₅ H ₁₈ BF ₂ N ₃ O ₅ S
IUPAC name:	Methyl {p-[4,4-difluoro-5-(2-thienyl)-3a,4a-diaza-4-bora-s-indacen-3-yl]phenoxy}acetate
Quality control:	HPLC-MS (95%), UV-Vis
Storage conditions:	Storage: 12 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