

Lumiprobe Corporation

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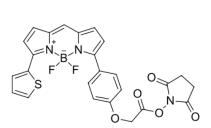
BDP® TR NHS ester

http://www.lumiprobe.com/p/bdp-tr-nhs-ester

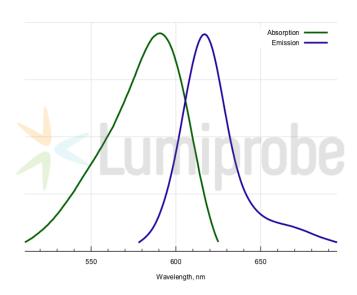
This product will be discontinued soon in favor of <u>BDP TR X NHS ester</u>. We may still have some material in stock (please see availability above).

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 is 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 BDP 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: $C_{25}H_{18}BF_2N_3O_5S$

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 receival 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:

589

 ϵ , L·mol⁻¹·cm⁻¹: 69000 Emission maximum, nm: 616 Fluorescence quantum 0.9

yield:

 CF_{260} : 0.15 CF_{280} : 0.19

BDP® is a trademark of Lumiprobe Corporation