

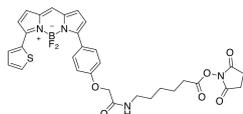
## BDP TR X NHS ester (A270122)

### Specifications:

Name:	BDP TR X NHS ester
Description:	BDP TR is a borondipyrromethene dye which has absorption and emission wavelengths close to Texas Red (ROX) dye. The fluorophore is bright, moderately hydrophobic, and has low molecular weight. An extra linker based on aminocaproic acid (C6) provides better separation between the dye, and the biomolecule. The NHS ester function can be used for the conjugation with proteins, peptides, and other molecules possessing amine group.
Absorption Maxima:	589 nm
Extinction Coefficient:	60000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	616 nm
Fluorescence Quantum Yield:	0.9
CAS Number:	197306-80-2
CF <sub>260</sub> :	0.15
CF <sub>280</sub> :	0.19
Mass Spec M+ Shift after Conjugation:	519.2
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>31</sub> H <sub>29</sub> N <sub>4</sub> BF <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	634.46 kDa
Product Form:	Dark colored solid.
Solubility:	Good in DMF, DMSO, and DCM.
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.

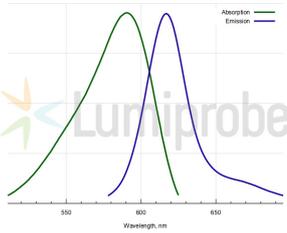
### Images:

Structure of BDP TR X NHS ester.



**BDP TR X NHS ester (A270122)**

Images continued:



Absorption and emission spectra of BDP TR.