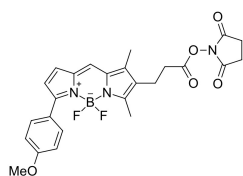


## BDP TMR NHS ester (A270112)

### Specifications:

Name:	BDP TMR NHS ester
Description:	BDP TMR is a borondipyrromethene dye, analog of BODIPY® TMR. This is an amine-reactive NHS ester for the labeling of proteins, peptides, and other molecules with amino groups. BDP TMR is a dye for TAMRA channel, which is however much brighter than TAMRA. Because of rather long life time of excited state, this fluorophore is a good choice for fluorescence anisotropy measurements, especially with the short linker offered. Fluorescence polarization is an excellent method for high throughput binding assays.
Absorption Maxima:	545 nm
Emission Maxima:	570 nm
Fluorescence Quantum Yield:	0.95
CAS Number:	485397-12-4
CF <sub>260</sub> :	0.16
CF <sub>280</sub> :	0.16
Mass Spec M+ Shift after Conjugation:	380.2
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>25</sub> H <sub>24</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	495.28 kDa
Product Form:	Purple solid.
Solubility:	Good in most organic solvents (DMF, DMSO, DCM, acetone, etc.).
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.

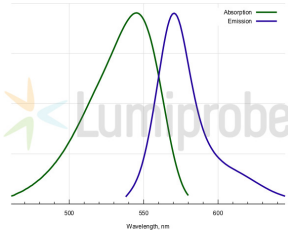
### Images:



Structure of BODIPY TMR NHS ester.

## BDP TMR NHS ester (A270112)

Images continued:



Absorption and emission spectra of BDP TMR.