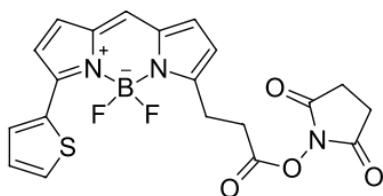


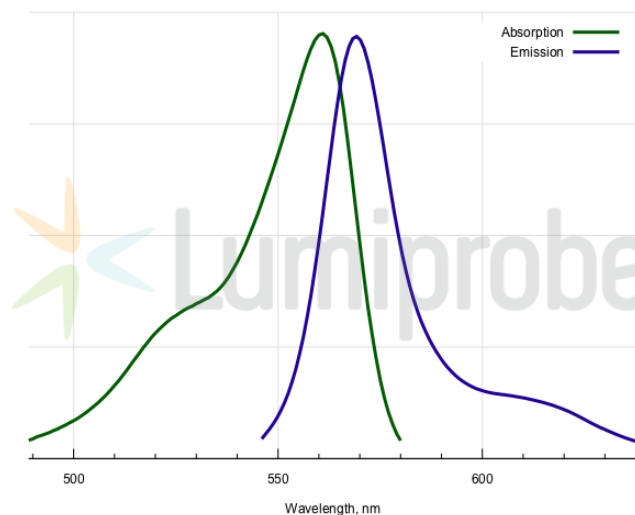
## BDP® 558/568 NHS ester

<http://www.lumiprobe.com/p/bdp-558-568-nhs-ester>

BDP 558/568 is a borondipyrromethene fluorophore with emission in the yellow part of the spectrum. Its absorption and emission spectra are in similar range as TAMRA, BDP TMR, Cyanine3, and sulfo-Cyanine3. This is an amine reactive NHS ester.



**Chemical structure of BDP 558/568 NHS ester**



**Absorption and emission spectra of BDP 558/568**

### General properties

Appearance:	dark colored solid
Molecular weight:	443.23
CAS number:	150173-73-2
Molecular formula:	C <sub>20</sub> H <sub>16</sub> N <sub>3</sub> BF <sub>2</sub> O <sub>4</sub> S
Solubility:	good in DMF, DMSO, ethyl acetate
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
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.
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:	561
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	84400
Emission maximum, nm:	569
Fluorescence quantum yield:	0.68
CF <sub>260</sub> :	0.00
CF <sub>280</sub> :	0.07