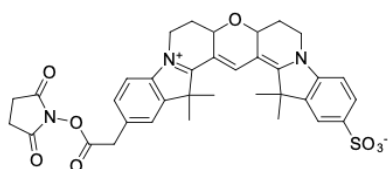


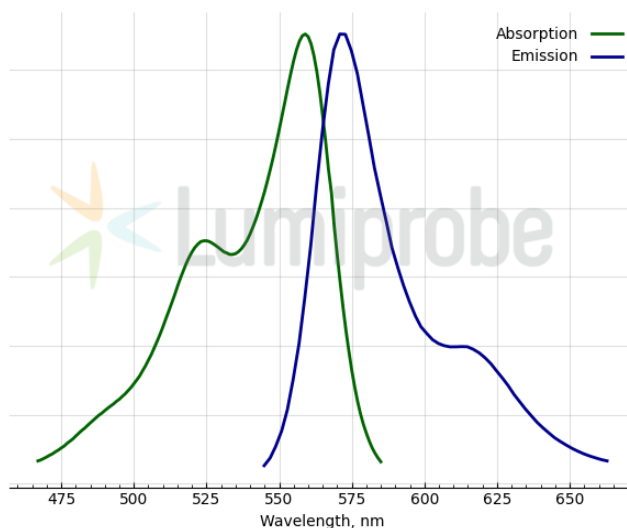
## Cyanine3B NHS ester

<http://www.lumiprobe.com/p/cy3b-nhs-ester>

Cyanine3B NHS ester is a reactive dye for the specific labeling of amino-groups in biomolecules — antibodies, peptides, or oligonucleotides. Cyanine3B is an improved version of yellow Cyanine3 dye with significantly increased fluorescence quantum yield and photostability.



Structure of Cyanine3B NHS ester



Cyanine3B absorbance and emission spectra

### General properties

Appearance:	dark red powder
Molecular weight:	657.75
CAS number:	228272-52-4
Molecular formula:	C <sub>35</sub> H <sub>35</sub> N <sub>3</sub> O <sub>8</sub> S
Solubility:	good in DMF, DMSO
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. 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:	559
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	121000
Emission maximum, nm:	571
Fluorescence quantum yield:	0.68
CF <sub>260</sub> :	0.044
CF <sub>280</sub> :	0.077