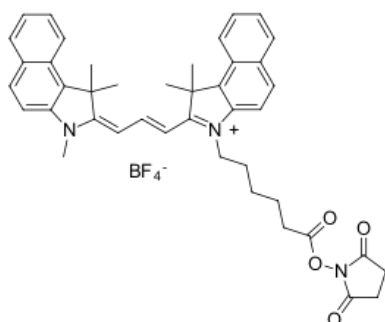


## Cyanine3.5 NHS ester

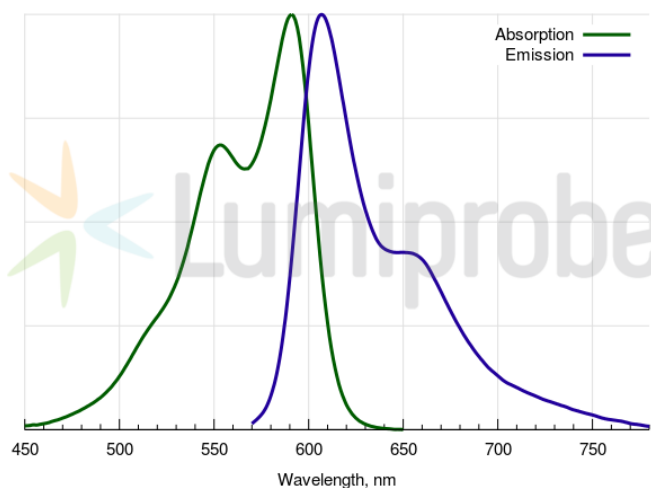
<http://www.lumiprobe.com/p/cy35-nhs-ester>

Cyanine3.5 NHS ester (an analog of Cy3.5® NHS ester) is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides.

Cyanine3.5 NHS ester can replace NHS esters of Cy3.5®, DyLight 594.



**Structure of Cyanine3.5 NHS ester**



**Cyanine3.5 NHS ester absorbance and emission spectra**

### General properties

Appearance:	dark purple solid
Molecular weight:	741.62
CAS number:	2231670-85-0
Molecular formula:	C <sub>42</sub> H <sub>44</sub> N <sub>3</sub> BF <sub>4</sub> O <sub>4</sub>
Solubility:	soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water
Quality control:	NMR <sup>1</sup> H and 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.

### Spectral properties

Excitation/absorption maximum, nm:	591
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	116000
Emission maximum, nm:	604
Fluorescence quantum yield:	0.35
CF <sub>260</sub> :	0.29
CF <sub>280</sub> :	0.22

Cy® is a trademark of Cytiva.