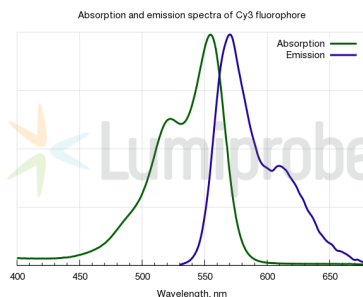
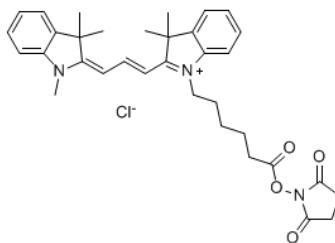


## Cyanine3 NHS ester

Cyanine3 NHS ester is a reactive dye for the labeling of amino-groups in biomolecules, an analog of Cy3® NHS ester. This reagent is ideal for the labeling of soluble proteins, peptides, and oligonucleotides/DNA. For delicate proteins consider using water-soluble sulfo-Cyanine3 NHS ester which does not require use of any co-solvent.



### General properties

Appearance:	red powder
Mass spec M+ increment:	474.2
Molecular weight:	590.15
CAS number:	1032678-38-8, 1032815-92-1
Molecular formula:	C <sub>39</sub> H <sub>36</sub> ClN <sub>3</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 maximum, nm:	555
$\epsilon$ , L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	150000
Emission maximum, nm:	570
Fluorescence quantum yield:	0.31