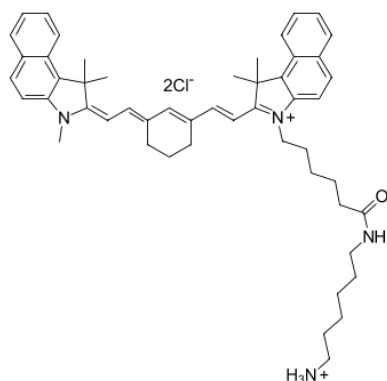


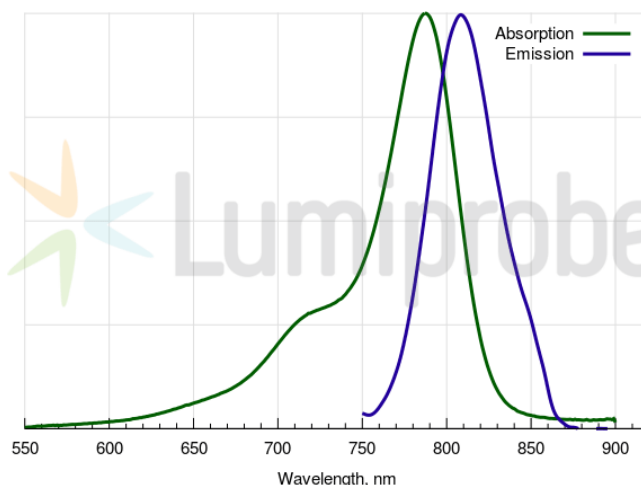
## Cyanine7.5 amine

<http://www.lumiprobe.com/p/cy75-amine>

Cyanine7.5 is a NIR fluorescent dye. This reagent contains free amino group which can be coupled with activated carboxylic acid derivatives.



**Structure of Cyanine7.5 amine**



**Cyanine7.5 absorbance and emission spectra**

### General properties

Appearance:	dark green powder
Molecular weight:	819.99
CAS number:	2104005-17-4 (hydrochloride), 2104005-16-3 (chloride), 2104005-15-2
Molecular formula:	C <sub>51</sub> H <sub>64</sub> Cl <sub>2</sub> N <sub>4</sub> O
Solubility:	good in DMSO, DMF, alcohols
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.

### Spectral properties

Excitation/absorption maximum, nm:	788
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	223000
Emission maximum, nm:	808
Fluorescence quantum yield:	0.10

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