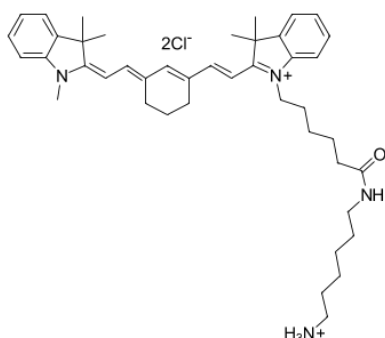


## Cyanine7 amine

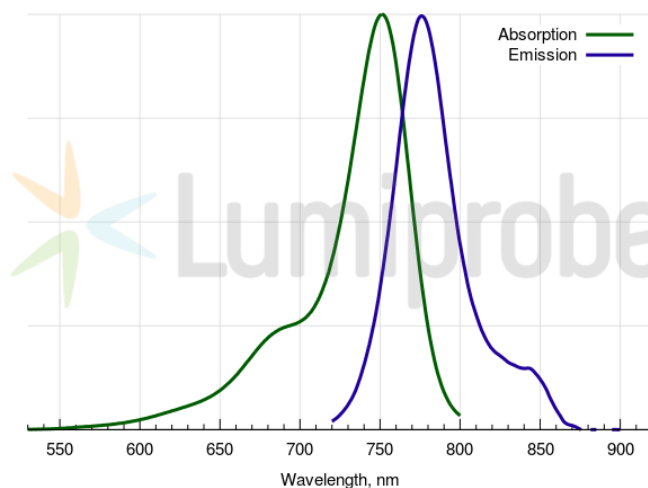
<http://www.lumiprobe.com/p/cy7-amine>

Near-infrared dye with free amine group for the conjugation with activated esters and other reactive molecules.

Cyanine7 is a near-infrared dye, an analog of Cy7® which is especially suitable for live organism imaging, and demanding low-background applications.



**Structure of Cyanine7 amine**



**Cyanine7 absorbance and emission spectra**

### General properties

Appearance:	green powder
Molecular weight:	719.87
CAS number:	1650635-41-8, 1650559-73-1 [Cl-]
Molecular formula:	C <sub>43</sub> H <sub>60</sub> Cl <sub>2</sub> N <sub>4</sub> O
Solubility:	soluble in water (72 mM = 51 g/L), well soluble 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.
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:	750
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	199000
Emission maximum, nm:	773
Fluorescence quantum yield:	0.3
CF <sub>260</sub> :	0.022
CF <sub>280</sub> :	0.029

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