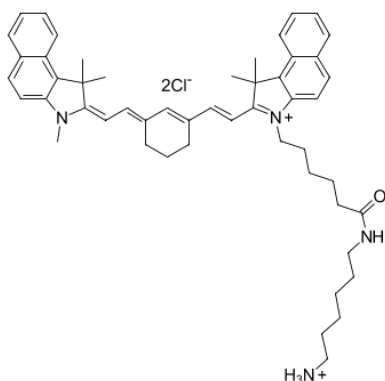


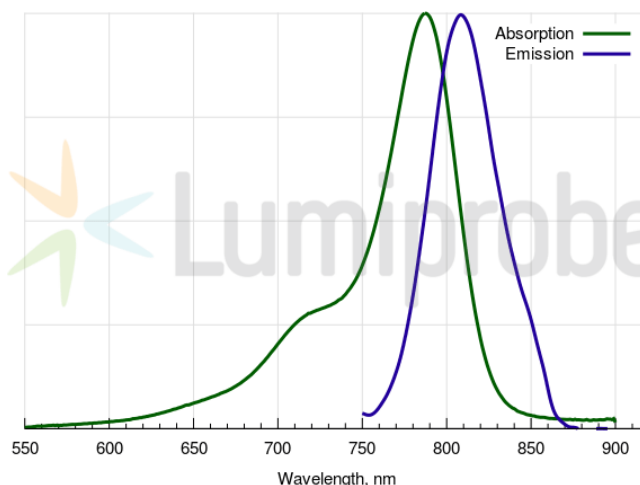
Cyanine7.5 amine

<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:	872.35
CAS number:	2104005-17-4 (hydrichloride), 2104005-16-3 (chloride), 2104005-15-2
Molecular formula:	$C_{51}H_{65}BClF_4N_4O$
Solubility:	good in DMSO, DMF, alcohols
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at $-20^{\circ}C$ 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:	788
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	223000
Emission maximum, nm:	808
Fluorescence quantum yield:	0.10

Cy® is a trademark of GE Healthcare.