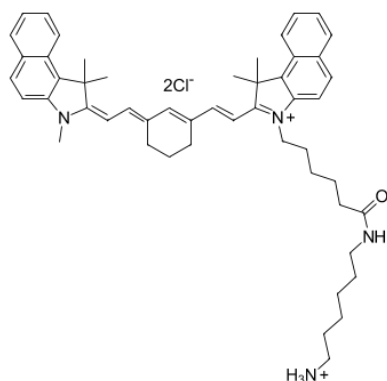


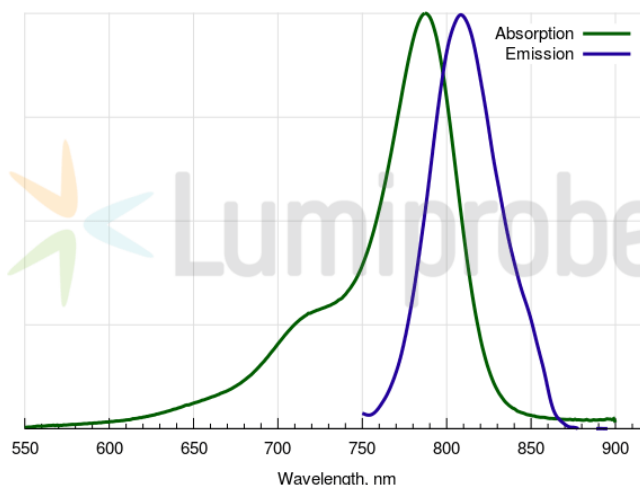
## Cyanine7.5 amine

<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 (hydrichloride), 2104005-16-3 (chloride), 2104005-15-2  |
| Molecular formula:  | $C_{51}H_{64}Cl_2N_4O$   |
| 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    |
| $\epsilon$ , $L \cdot mol^{-1} \cdot cm^{-1}$ : | 223000 |
| Emission maximum, nm:                           | 808    |
| Fluorescence quantum yield:                     | 0.10   |

Cy® is a trademark of GE Healthcare.