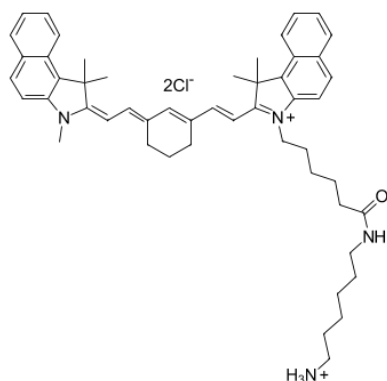


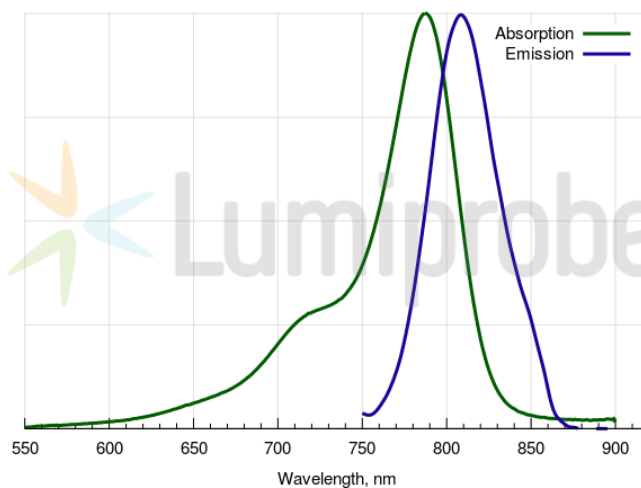
## Cyanine7.5 amine

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

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



**Cy7.5 amine structure**



**Cy7.5 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. |
| TN VED Code:        | 3204190000  |

### Spectral properties

|   |        |
|---|--------|
| Excitation maximum, nm:                         | 788    |
| $\epsilon$ , $L \cdot mol^{-1} \cdot cm^{-1}$ : | 223000 |
| Emission maximum, nm:                           | 808    |

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