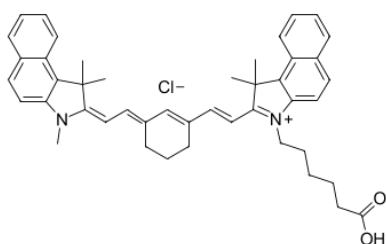


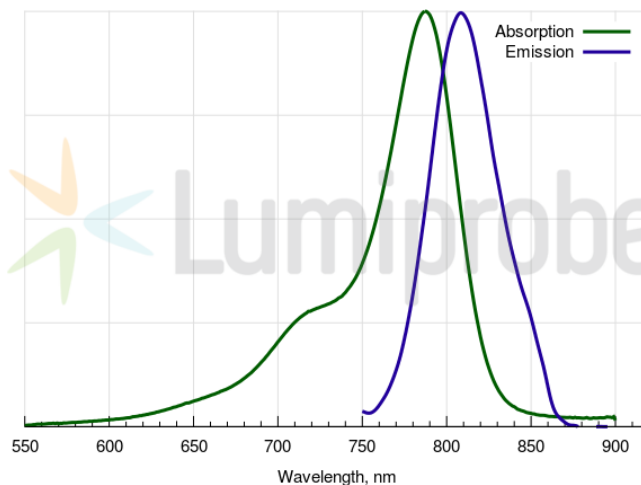
## Cyanine7.5 carboxylic acid

Free unactivated Cyanine7.5 NIR dye carboxylic acid.

For coupling and labeling reactions also consider using pre-activated [Cyanine7.5 NHS ester](#).



**Cy7.5 NIR dye structure**



**Cy7.5 absorbance and emission spectra**

### General properties

Appearance:	green powder
Molecular weight:	685.34
CAS number:	1686147-68-1, 1803099-44-6 [Cl-]
Molecular formula:	C <sub>45</sub> H <sub>49</sub> ClN <sub>2</sub> O <sub>2</sub>
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water
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.
TN VED Code:	3204190000

### Spectral properties

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

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