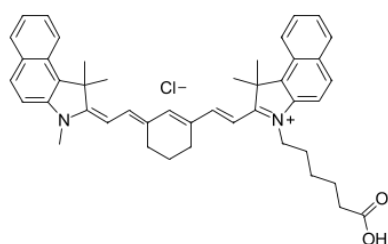


Cyanine7.5 carboxylic acid

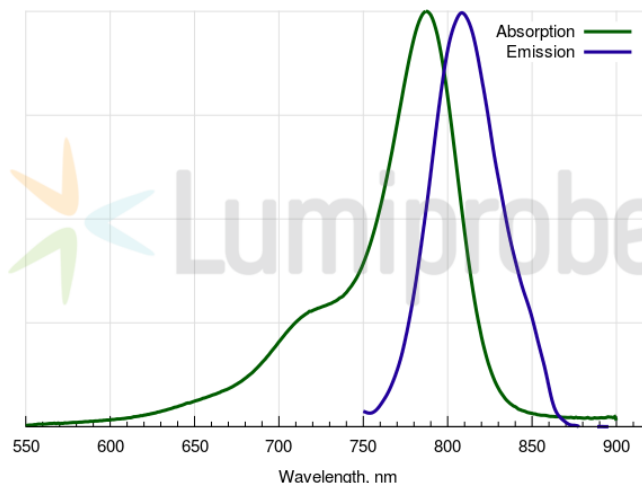
<http://www.lumiprobe.com/p/cy75-carboxylic-acid>

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:	1803099-44-6
Molecular formula:	C ₄₅ H ₄₉ ClN ₂ O ₂
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water
Quality control:	NMR ¹ 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:	788
ε, L·mol ⁻¹ ·cm ⁻¹ :	223000
Emission maximum, nm:	808
Fluorescence quantum yield:	0.10

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