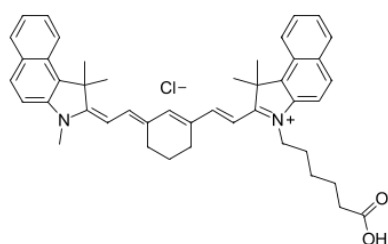


Cyanine7.5 carboxylic acid

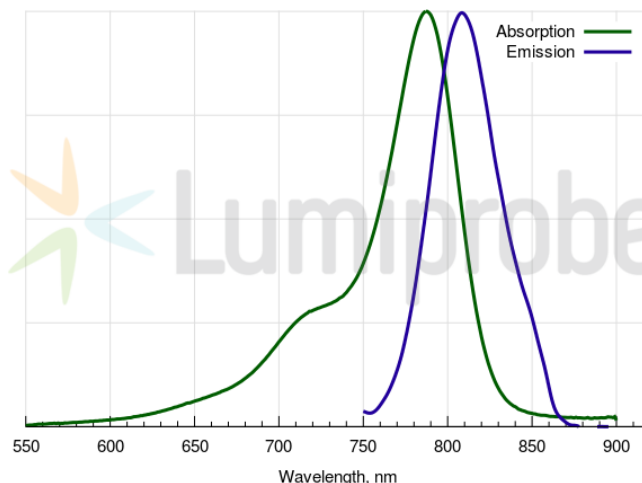
<http://www.lumiprobe.com/p/cy75-carboxylic-acid>

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.

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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