

Lumiprobe Corporation

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USA

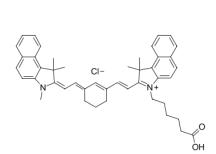
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Cyanine 7.5 carboxylic acid

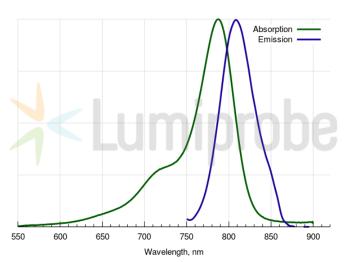
http://www.lumiprobe.com/p/cy75-carboxylic-acid

Free unactivated Cyanine 7.5 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: $C_{45}H_{49}CIN_2O_2$

Solubility: soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water

Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival 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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