

Lumiprobe Corporation

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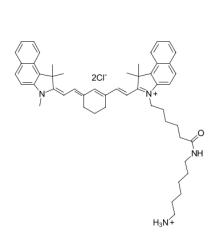
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Cyanine 7.5 amine

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

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



Absorption Emission

550 600 650 700 750 800 850 900

Wavelength, nm

Structure of Cyanine 7.5 amine

Cyanine 7.5 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 receival 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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