

Lumiprobe Corporation

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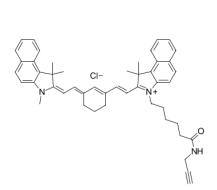
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Cyanine 7.5 alkyne

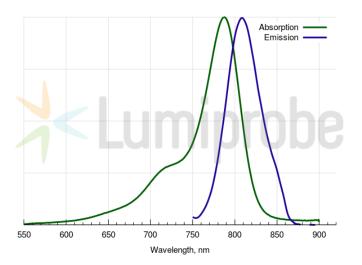
http://www.lumiprobe.com/p/cy75-alkyne

Alkyne derivative of Cyanine7.5, a near infrared fluorophore. This alkyne is suitable for copper-catalyzed click chemistry.

This fluorophore is useful for in vivo imaging, its spectral properties are similar to ICG (indocyanine green) with somewhat higher fluorescence quantum yield.



Structure of Cyanine 7.5 alkyne



Absorbance and emission spectra of Cyanine 7.5

General properties

Appearance: dark green powder

Mass spec M+ increment: 686.4 Molecular weight: 722.40 Molecular formula: $C_{48}H_{52}CIN_3O$

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. Desiccate.

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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