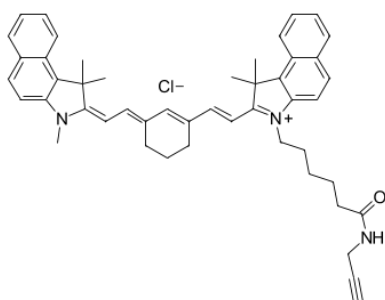


Cyanine7.5 alkyne

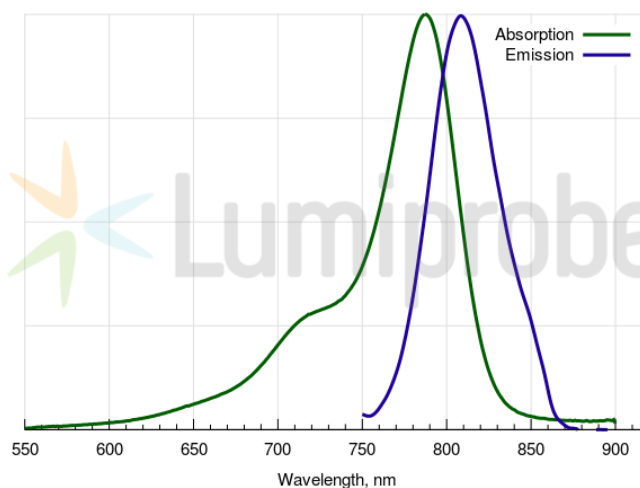
<http://www.lumiprobe.com/p/cy75-alkyne>

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 Cyanine7.5 alkyne



Absorbance and emission spectra of Cyanine7.5

General properties

Appearance:	dark green powder
Mass spec M+ increment:	686.4
Molecular weight:	722.40
Molecular formula:	C ₄₈ H ₅₂ ClN ₃ O
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. 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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