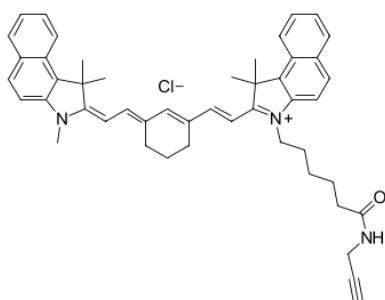


Cyanine7.5 alkyne

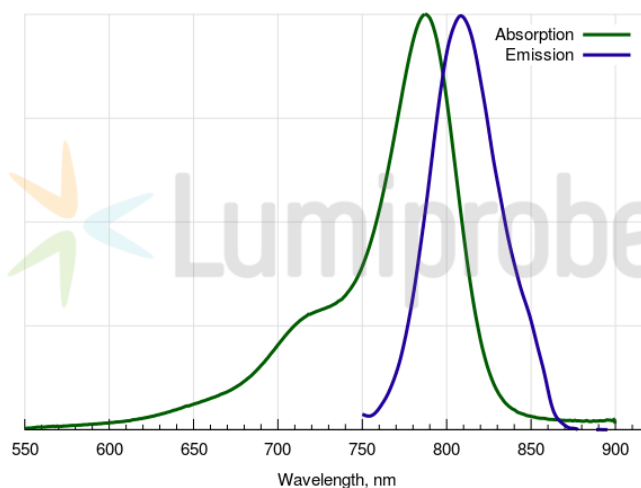
<http://www.lumiprobe.com/p/cy75-alkyne>

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.



Cyanine7.5 alkyne structure



Cyanine7.5 absorbance and emission spectra

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.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	788
ε, L·mol ⁻¹ ·cm ⁻¹ :	223000
Emission maximum, nm:	808

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