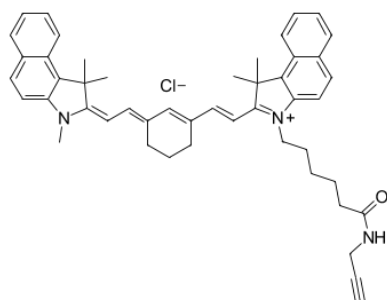


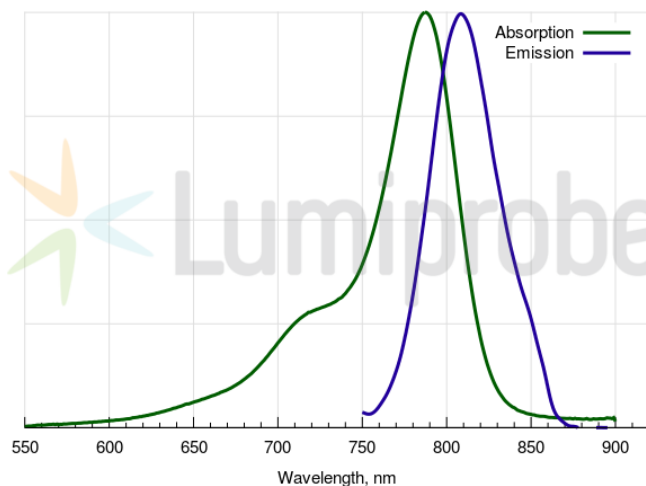
## Cyanine7.5 alkyne

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 <sub>48</sub> H <sub>52</sub> ClN <sub>3</sub> O
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water
Quality control:	NMR <sup>1</sup> 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 <sup>-1</sup> ·cm <sup>-1</sup> :	223000
Emission maximum, nm:	808

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