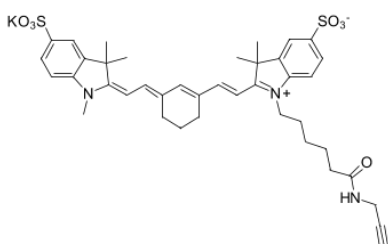


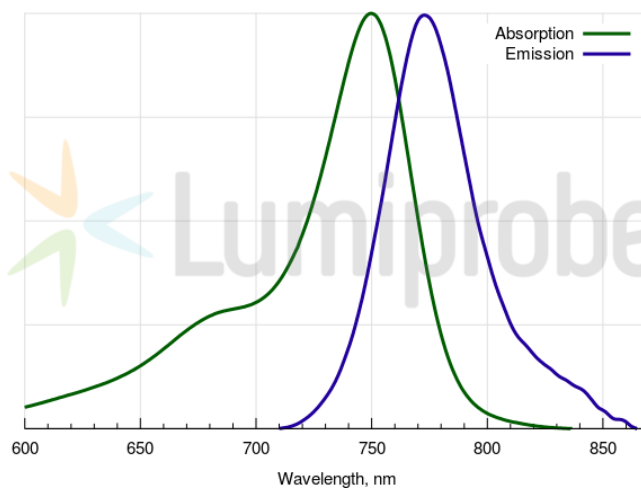
## Sulfo-Cyanine7 alkyne

<http://www.lumiprobe.com/p/sulfo-cy7-alkyne>

Sulfo-Cyanine7 alkyne is a sulfonated terminal alkyne for copper-catalyzed Click chemistry reaction, which possesses significant aqueous solubility, and can be conjugated with azides in aqueous environment.



**Structure of Sulfo-Cyanine7 alkyne**



**Sulfo-Cyanine7 absorbance and emission spectra**

### General properties

Appearance:	dark green powder
Mass spec M+ increment:	745.3
Molecular weight:	784.04
CAS number:	2183440-56-2
Molecular formula:	C <sub>40</sub> H <sub>46</sub> N <sub>3</sub> KO <sub>7</sub> S <sub>2</sub>
Solubility:	good in DMF, DMSO, significant 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.

### Spectral properties

Excitation/absorption maximum, nm:	750
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04

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