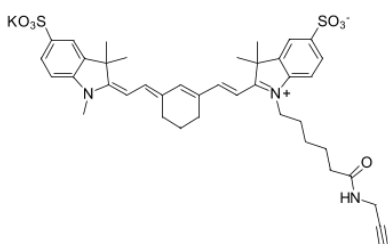


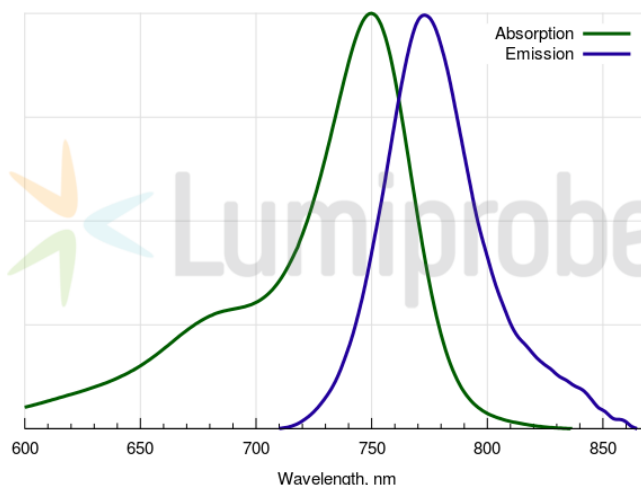
sulfo-Cyanine7 alkyne

<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 an aqueous environment.



Structure of sulfo-Cyanine7 alkyne



Absorbance and emission spectra of sulfo-Cyanine7

General properties

Appearance:	dark green powder
Mass spec M+ increment:	745.3
Molecular weight:	784.04
CAS number:	2183440-56-2
Molecular formula:	C ₄₀ H ₄₆ N ₃ KO ₇ S ₂
Solubility:	good in DMF, DMSO, significant 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:	750
ε, L·mol ⁻¹ ·cm ⁻¹ :	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04

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