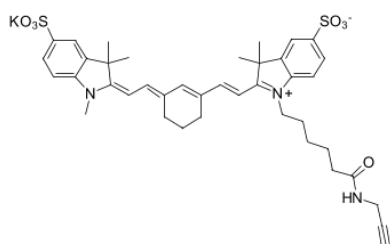


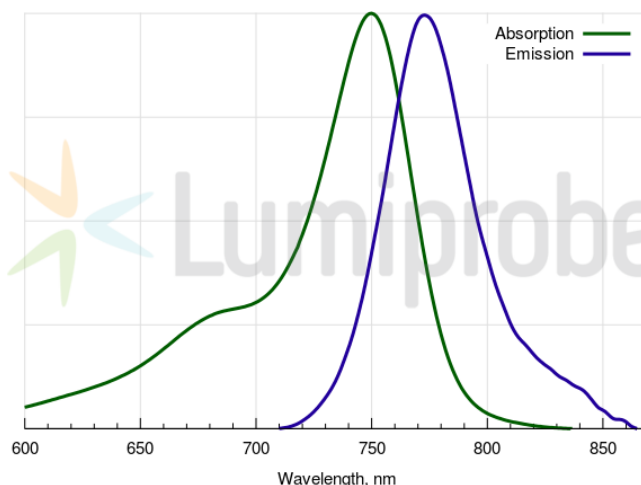
sulfo-Cyanine7 alkyne

<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.

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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