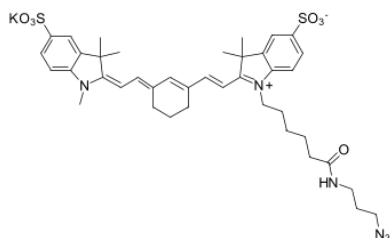


sulfo-Cyanine7 azide

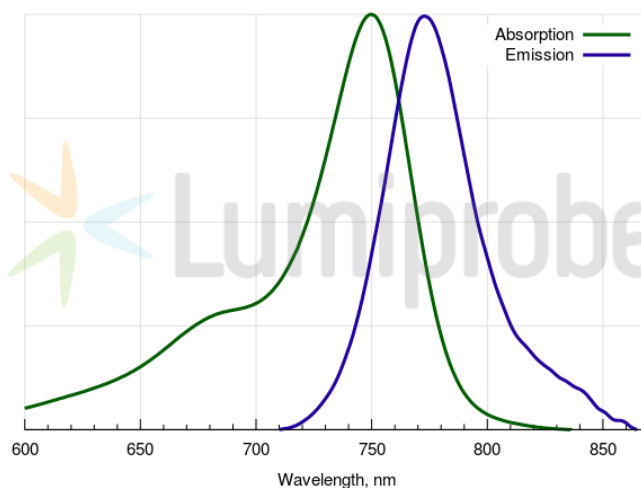
<http://www.lumiprobe.com/p/sulfo-cy7-azide>

A water-soluble NIR dye azide for click chemistry. sulfo-Cyanine7 is a cyanine dye, an analog of Cy7® with improved photophysical properties.

This dye is perfect for NIR imaging studies in live organisms.



Sulfo-Cy7 azide structure



Sulfo-Cyanine7 absorbance and emission spectra

General properties

Appearance:	dark solid
Molecular weight:	829.08
Molecular formula:	C ₄₀ H ₄₉ N ₆ KO ₇ S ₂
Solubility:	good in water, DMF, DMSO
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.

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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