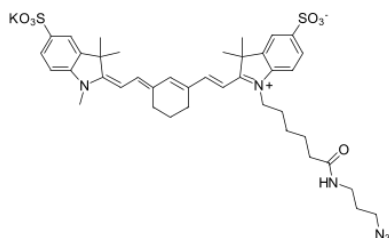


sulfo-Cyanine7 azide

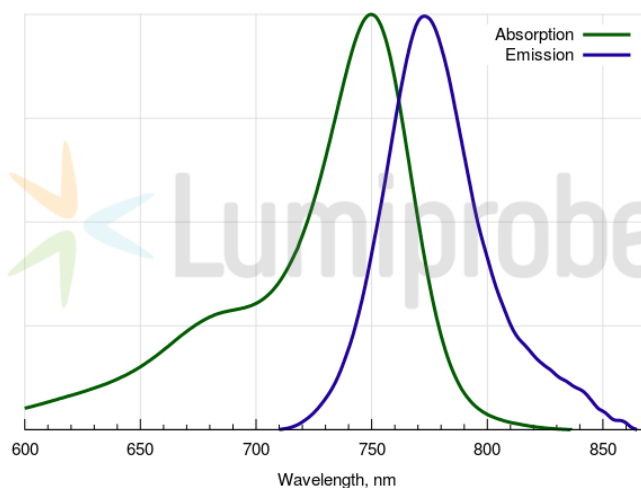
<http://www.lumiprobe.com/p/sulfo-cy7-azide>

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:	$C_{40}H_{49}N_6KO_7S_2$
Solubility:	good in water, DMF, DMSO
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
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 , $L \cdot mol^{-1} \cdot cm^{-1}$:	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24
CF_{260} :	0.04
CF_{280} :	0.04

Cy® is a trademark of GE Healthcare.