

## **Lumiprobe Corporation**

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

USA

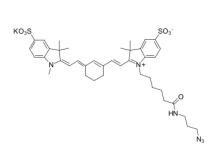
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

## sulfo-Cyanine7 azide

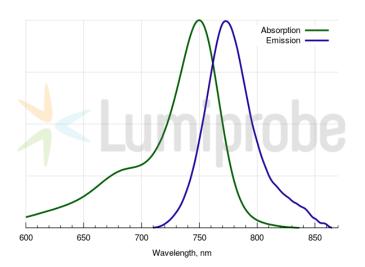
http://www.lumiprobe.com/p/sulfo-cy7-azide

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:  $C_{40}H_{40}N_{e}KO_{7}S_{2}$ 

Solubility: good in water, DMF, DMSO

Quality control: NMR <sup>1</sup>H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival 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  $\epsilon$ , L·mol $^{-1}$ ·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.