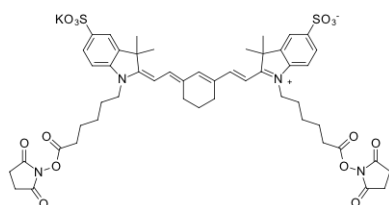


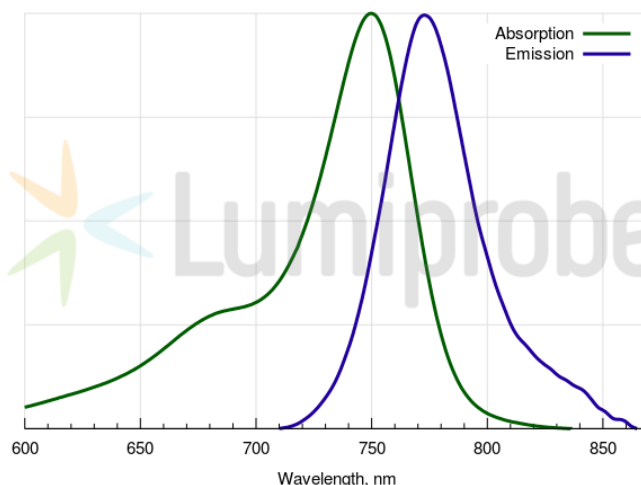
sulfo-Cyanine7 bis-NHS ester

<http://www.lumiprobe.com/p/sulfo-cy7-bis-nhs-ester>

sulfo-Cyanine7 bis-NHS ester is a water-soluble, bifunctional cross-linker containing a core of near-infrared, water-soluble sulfo-Cyanine7, and two amine-reactive NHS ester groups.



Structure of sulfo-Cyanine7 bis-NHS ester



Absorption and emission spectra of sulfo-Cyanine7

General properties

Appearance:	dark colored solid
Molecular weight:	1041.23
Molecular formula:	$C_{50}H_{57}N_4KO_{14}S_2$
Solubility:	good in DMF, DMSO, water
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.

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