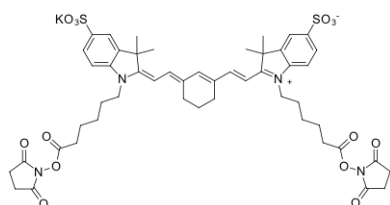


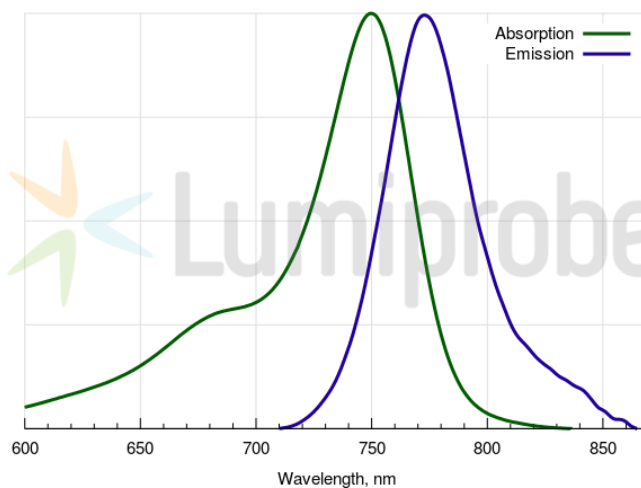
Sulfo-Cyanine7 bis-NHS ester

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

Sulfo-Cyanine7 bis-NHS ester is a water-soluble, bifunctional cross-linker that contains a core of near infrared, water soluble dye 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:	$C_{50}H_{57}N_4KO_4S_2$
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.

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