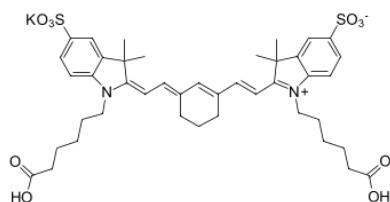


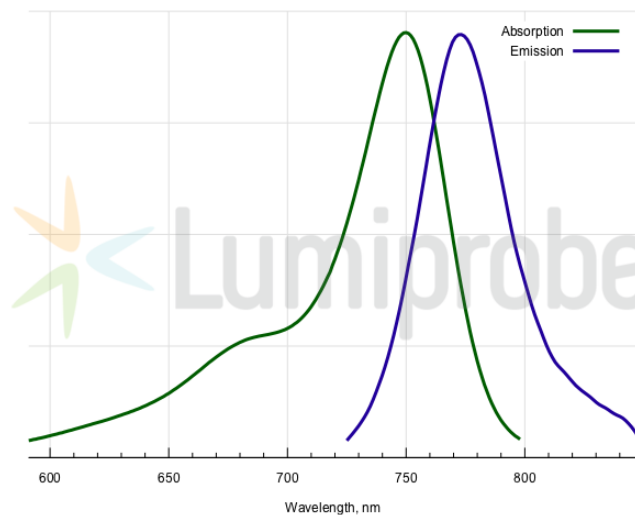
sulfo-Cyanine7 dicarboxylic acid

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

sulfo-Cyanine7 dicarboxylic acid (Cy7 analog) is a water-soluble, bifunctional NIR dye derivative bearing two carboxylic acid functional groups.



Structure of sulfo-Cyanine7 dicarboxylic acid



Absorption and emission spectra of sulfo-Cyanine7

General properties

Appearance:	dark green solid
Molecular weight:	847.09
Molecular formula:	$C_{42}H_{51}N_2KO_{10}S_2$
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. 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