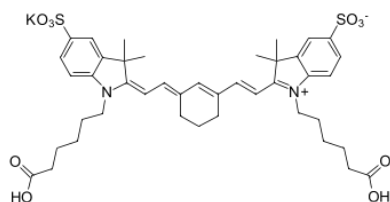


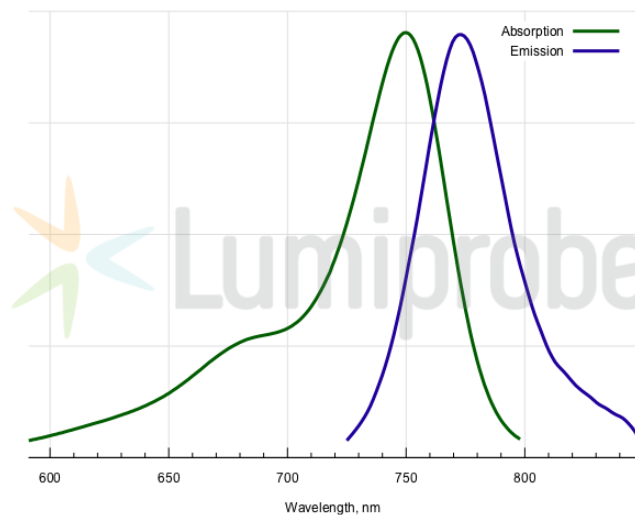
sulfo-Cyanine7 dicarboxylic acid

<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°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
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