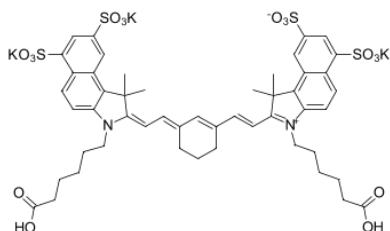


sulfo-Cyanine7.5 dicarboxylic acid

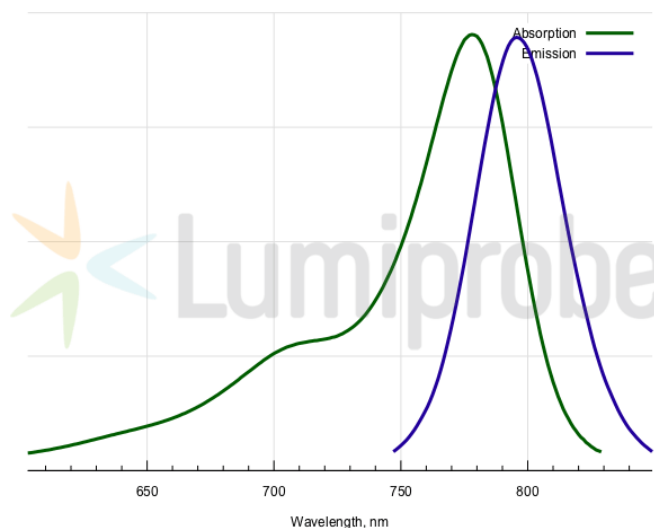
<http://www.lumiprobe.com/p/sulfo-cy75-dicarboxylic-acid>

sulfo-Cyanine7.5 dicarboxylic acid is a bifunctional near-infrared fluorescent dye with two carboxylic acid groups.

The reagent is useful as a cross-linker with NIR emission. The carboxylic acid groups can be activated by carbodiimide chemistry.



Structure of sulfo-Cyanine7.5 dicarboxylic acid



Absorption and emission spectra of sulfo-Cyanine7.5 fluorophore

General properties

Appearance:	dark green solid
Molecular weight:	1183.51
Molecular formula:	$C_{50}H_{53}N_2K_3O_{16}S_4$
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:	778
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	222000
Emission maximum, nm:	797
Fluorescence quantum yield:	0.21
CF_{260} :	0.09
CF_{280} :	0.09