

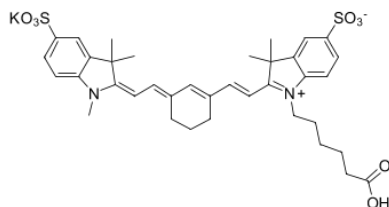
## sulfo-Cyanine7 carboxylic acid

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

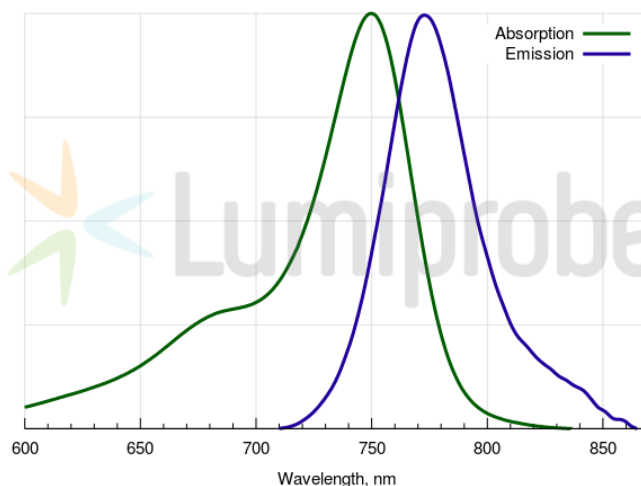
sulfo-Cyanine7 carboxylic acid is a non-reactive water-soluble near-infrared dye.

The reagent is useful as a fluorescent marker in the NIR range when attachment to other molecules is not desired. It has high hydrophilicity and aqueous solubility, improved quantum yield in the NIR range, and a very high molar extinction coefficient.

This reagent contains free carboxylic acid function. Pre-activated activated ester - [sulfo-Cyanine7 NHS ester](#) is also available.



**Sulfo-Cyanine7 carboxylic acid**



**Sulfo-Cyanine7 absorbance and emission spectra**

### General properties

Appearance:	dark green powder
Molecular weight:	746.97
CAS number:	2104632-29-1 (inner salt); 2104632-30-4 (sodium salt)
Molecular formula:	C <sub>37</sub> H <sub>43</sub> N <sub>2</sub> KO <sub>6</sub> S <sub>2</sub>
Solubility:	Soluble in water, DMF, DMSO (0.10 M = 76 g/L). Practically insoluble in non-polar organic solvents.
Quality control:	NMR <sup>1</sup> H, HPLC (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.
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·mol <sup>-1</sup> ·cm <sup>-1</sup> :	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04