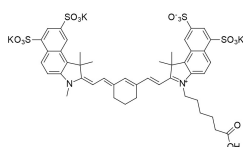


## Sulfo-Cyanine 7.5 carboxylic acid (A270302)

### Specifications:

Name:	Sulfo-Cyanine 7.5 carboxylic acid
Description:	Sulfo-Cyanine 7.5 is a water soluble, near infrared fluorescent dye. The structure of the dye is similar to indocyanine green (ICG), but it contains a rigid trimethine linker increasing its fluorescence quantum yield. This fluorophore is useful for near infrared imaging. Sulfo-Cyanine 7.5 carboxylic acid contains a free carboxy group.
Absorption Maxima:	778 nm
Extinction Coefficient:	222000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	797 nm
CF <sub>260</sub> :	0.09
CF <sub>280</sub> :	0.09
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>45</sub> H <sub>45</sub> K <sub>3</sub> N <sub>2</sub> O <sub>14</sub> S <sub>4</sub>
Molecular Weight:	1083.41 kDa
Product Form:	Dark green solid.
Solubility:	Good in water, DMF, and DMSO.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

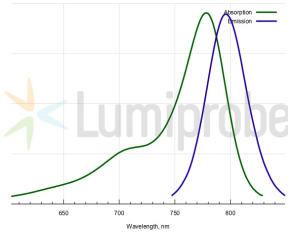
### Images:



Structure of Sulfo-Cyanine 7.5 carboxylic acid.

## Sulfo-Cyanine 7.5 carboxylic acid (A270302)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 7.5.