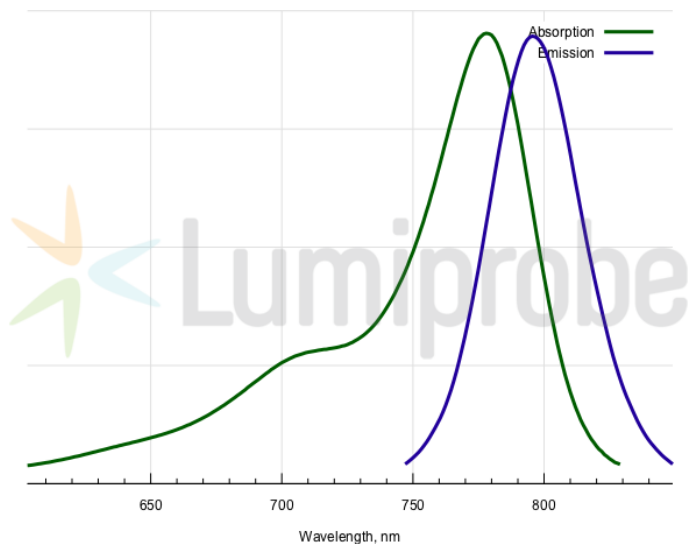


sulfo-Cyanine7.5 amine

<http://www.lumiprobe.com/p/sulfo-cyanine75-amine>

Sulfo-Cyanine7.5 is an amine derivative of water-soluble, hydrophilic sulfonated Cyanine7.5 dye. The dye is useful as a label for *in vivo* NIR imaging. The primary amine group can be conjugated with various electrophilic reagents, such as activated carboxylic acid derivatives (for example, NHS, PFP esters), epoxides, and others.



Absorption and emission spectra of sulfo-Cyanine7.5

General properties

Appearance:	dark colored solid
Molecular weight:	1143.5
Molecular formula:	$C_{51}H_{60}N_4K_2O_{13}S_4$
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.
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:	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