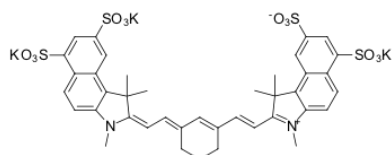


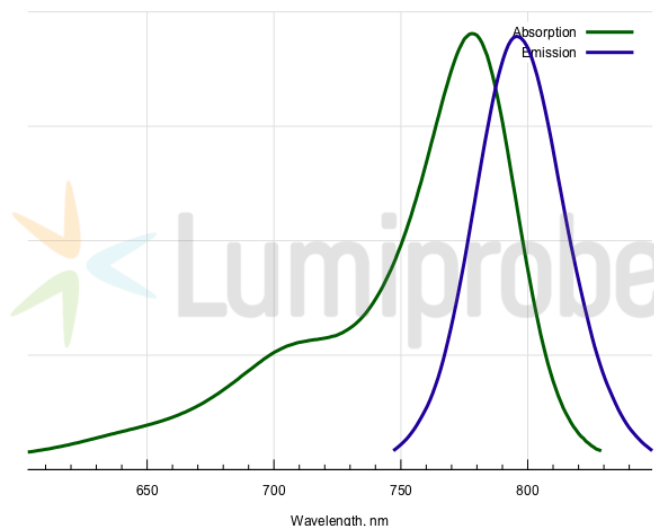
sulfo-Cyanine7.5 dimethyl

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

sulfo-Cyanine7.5 dimethyl is a non-functionalized, water-soluble cyanine dye with bright near-infrared fluorescence. The dye possesses an extremely high molar absorption coefficient, making it a useful near infrared label for technical applications.



Structure of sulfo-Cyanine7.5 dimethyl



Absorption and emission spectra of sulfo-Cyanine7.5

General properties

Appearance:	green powder
Molecular weight:	983.30
Molecular formula:	$C_{40}H_{37}K_3N_2O_{12}S_4$
Solubility:	good in water, DMF, DMSO, low in most organic solvents
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.
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