

Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

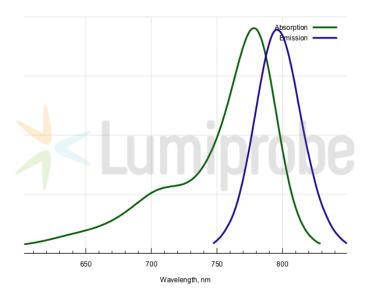
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

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-Cyanine 7.5

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 receival 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: 778 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 222000 Emission maximum, nm: 797 CF_{260} : 0.09 CF_{280} : 0.09