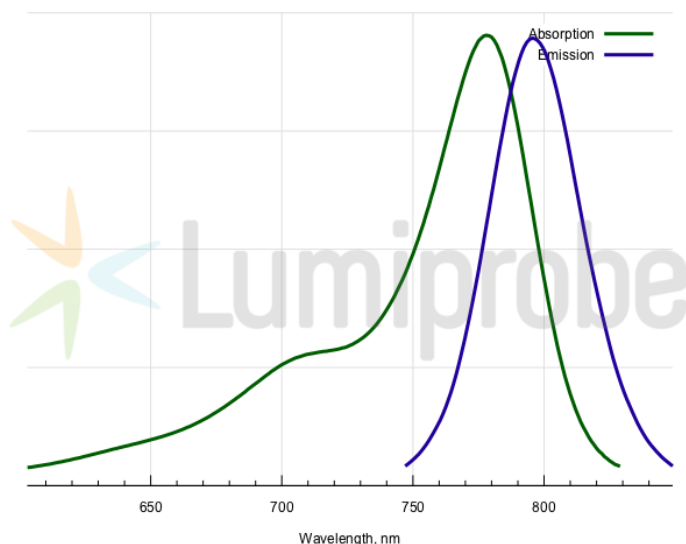


## sulfo-Cyanine7.5 amine

<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, like 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°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.

### Spectral properties

Excitation/absorption maximum, nm:	778
$\epsilon$ , $L \cdot mol^{-1} \cdot cm^{-1}$ :	222000
Emission maximum, nm:	797
$CF_{260}$ :	0.09
$CF_{280}$ :	0.09