

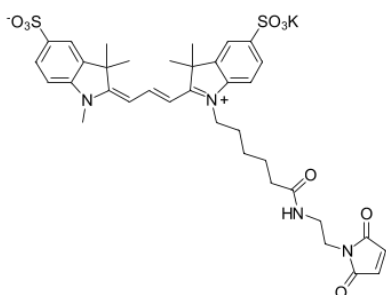
## Sulfo-Cyanine3 maleimide

<http://www.lumiprobe.com/p/sulfo-cy3-maleimide>

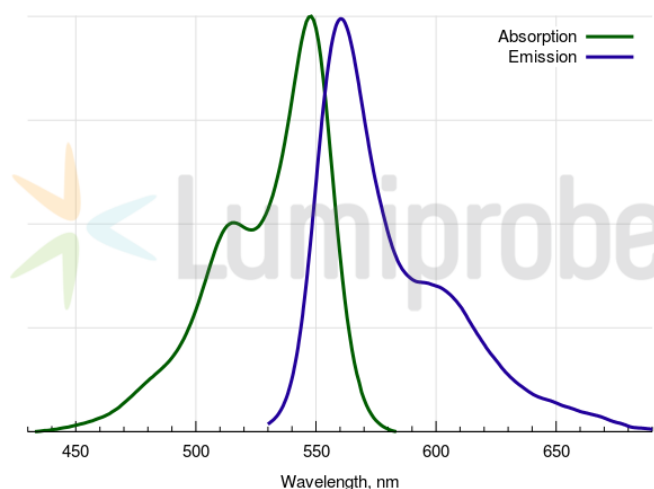
Sulfo-Cyanine3 maleimide is a water soluble, thiol reactive dye for the labeling with hydrophilic sulfo-Cyanine3 fluorophore. This is an analog of Cy3® maleimide.

This product is recommended for the labeling of antibodies and other labile proteins in mild, purely aqueous conditions. The dye is water soluble and does not require use of organic co-solvent.

A non-sulfonated [Cyanine3 maleimide](#) is available.



**Sulfo-Cyanine3 maleimide**



**Sulfo-Cyanine3 maleimide**

### General properties

Appearance:	red powder
Molecular weight:	776.96
CAS number:	1656990-68-9
Molecular formula:	C <sub>36</sub> H <sub>41</sub> KN <sub>4</sub> O <sub>9</sub> S <sub>2</sub>
IUPAC name:	3H-Indolium, 2-[3-[1-[6-[[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethyl]amino]-6-oxohexyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propen-1-yl]-1,3,3-trimethyl-5-sulfo-, inner salt, potassium salt
Solubility:	soluble in water (0.39 M = 30 g/L), DMF, DMSO
Quality control:	NMR <sup>1</sup> H, 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. Desiccate.
TN VED Code:	3204190000

### Spectral properties

Excitation/absorption maximum, nm:	548
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1
CF <sub>260</sub> :	0.03
CF <sub>280</sub> :	0.06