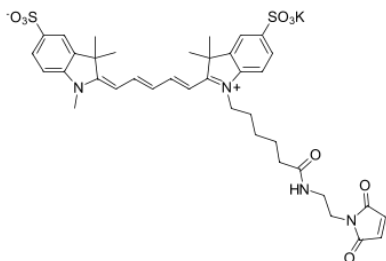


## sulfo-Cyanine5 maleimide

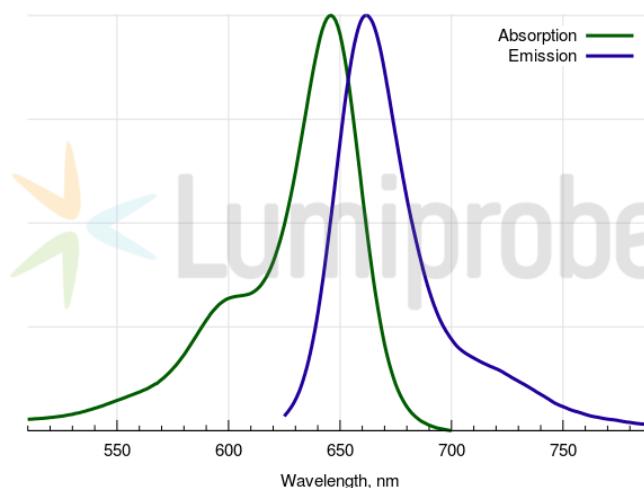
<http://www.lumiprobe.com/p/sulfo-cy5-maleimide>

A water soluble, hydrophilic sulfo-Cyanine5 maleimide (Cy5® maleimide analog). We recommend this product for protein labeling, including labeling of antibodies as a perfect replacement for Cy5® maleimide. Labeled proteins can be easily separated from unreacted dye by gel filtration, spin column purification, dialysis, electrophoresis or chromatography.

An analog without sulfo groups, [Cyanine5 maleimide](#), is also available.



**Sulfo-Cyanine5 maleimide structure**



**Sulfo-Cyanine5 absorbance and emission spectra**

### General properties

Appearance:	dark blue powder
Molecular weight:	803.00
CAS number:	2242791-82-6
Molecular formula:	C <sub>38</sub> H <sub>43</sub> KN <sub>4</sub> O <sub>9</sub> S <sub>2</sub>
Solubility:	soluble in water, DMSO, DMF
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.
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:	646
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	271000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.28
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04