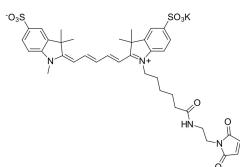


# Sulfo-Cyanine 5 maleimide (A270296)

## Specifications:

Name:	Sulfo-Cyanine 5 maleimide
Description:	A water soluble, hydrophilic sulfo-Cyanine 5 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, Cyanine 5 maleimide, is also available.
Absorption Maxima:	646 nm
Extinction Coefficient:	271000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	662 nm
Fluorescence Quantum Yield:	0.28
CAS Number:	2242791-82-6
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04
Purity:	> 95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>38</sub> H <sub>43</sub> KN <sub>4</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:	803.00 kDa
Product Form:	Dark blue powder.
Solubility:	Soluble in water, DMSO, and DMF.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

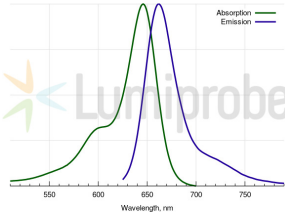
## Images:



Sulfo-Cyanine 5 maleimide structure.

## Sulfo-Cyanine 5 maleimide (A270296)

Images continued:



Sulfo-Cyanine 5 absorbance and emission spectra.