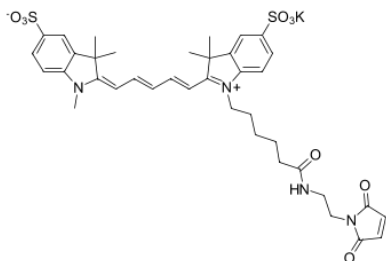


sulfo-Cyanine5 maleimide

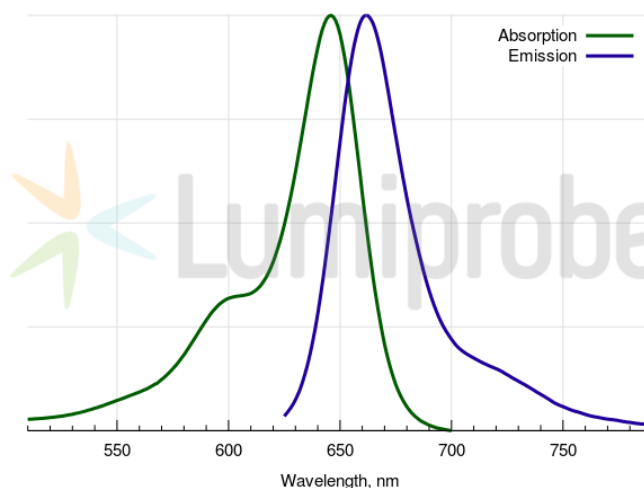
<http://www.lumiprobe.com/p/sulfo-cy5-maleimide>

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 ₃₈ H ₄₃ KN ₄ O ₉ S ₂
Solubility:	soluble in water, DMSO, DMF
Quality control:	NMR ¹ 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.

Spectral properties

Excitation/absorption maximum, nm:	646
ε, L·mol ⁻¹ ·cm ⁻¹ :	271000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.28
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04

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