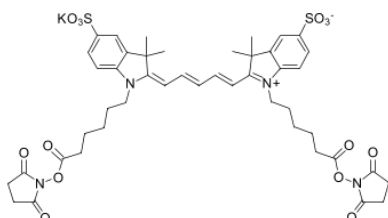


sulfo-Cyanine5 bis-NHS ester

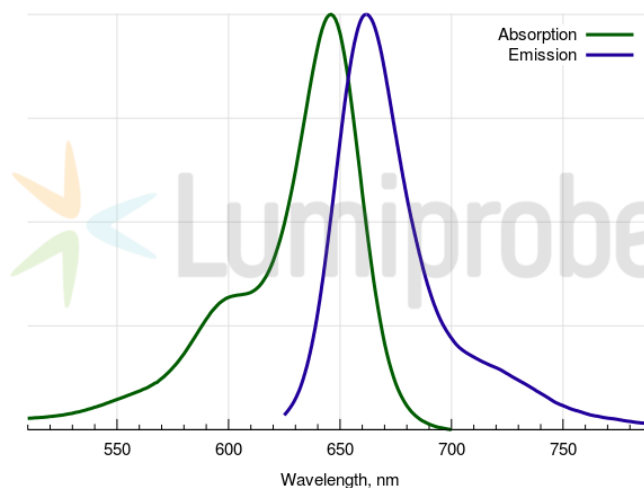
<http://www.lumiprobe.com/p/sulfo-cy5-bis-nhs-ester>

sulfo-Cyanine5 bis-NHS ester is a water soluble bifunctional dye possessing two NHS ester functions. It is an analog of Cy5® bis-NHS ester.

The dye is useful for the cross-conjugation of amines, and for other advanced labeling applications.



Structure of Sulfo-Cyanine5 bis-NHS ester



Absorption and emission spectra of sulfo-Cyanine5

General properties

Appearance:	dark blue powder
Molecular weight:	975.14
Molecular formula:	$C_{45}H_{51}KN_4O_{14}S_2$
Solubility:	good in DMF, DMSO, water
Quality control:	NMR 1H , HPLC-MS (895%)
Storage conditions:	Storage: 12 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 , $L \cdot mol^{-1} \cdot cm^{-1}$:	271000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.28
CF_{260} :	0.04
CF_{280} :	0.04

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