

Lumiprobe Corporation

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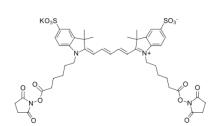
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sulfo-Cyanine5 bis-NHS ester

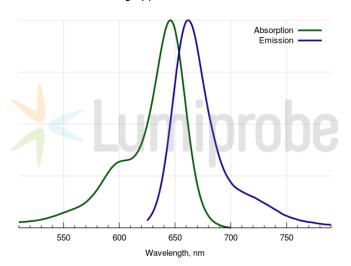
http://www.lumiprobe.com/p/sulfo-cy5-bis-nhs-ester

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 receival 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 $^{-1}$ ·cm $^{-1}$: 271000 Emission maximum, nm: 662 Fluorescence quantum yield: 0.28 CF_{260} : 0.04 CF_{280} : 0.04

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