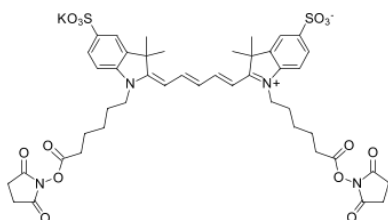


sulfo-Cyanine5 bis-NHS ester

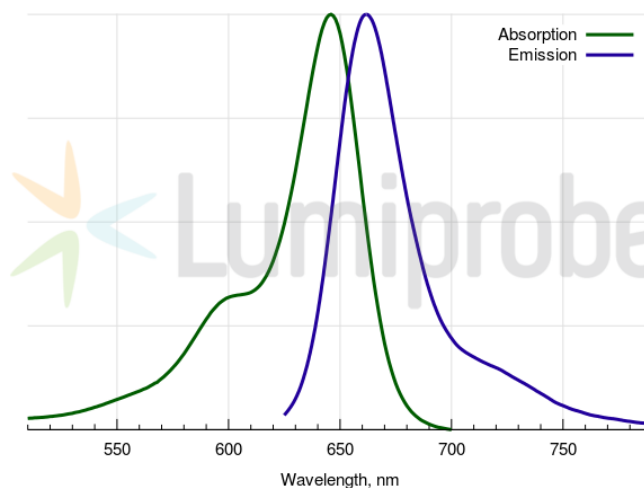
<http://www.lumiprobe.com/p/sulfo-cy5-bis-nhs-ester>

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 ₄ O ₁₄ S ₂
Solubility:	good in DMF, DMSO, water
Quality control:	NMR ¹ H, 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.

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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