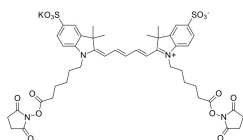


## Sulfo-Cyanine 5 bis-NHS ester (A270292)

### Specifications:

Name:	Sulfo-Cyanine 5 bis-NHS ester
Description:	Sulfo-Cyanine 5 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.
Absorption Maxima:	646 nm
Extinction Coefficient:	271000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	662 nm
Fluorescence Quantum Yield:	0.28
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>45</sub> H <sub>51</sub> KN <sub>4</sub> O <sub>14</sub> S <sub>2</sub>
Molecular Weight:	975.14 kDa
Product Form:	Dark blue powder.
Solubility:	Good in DMF, DMSO, and water.
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.

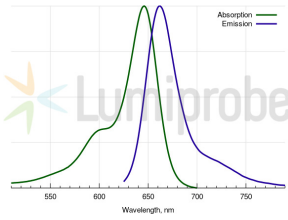
### Images:



Structure of Sulfo-Cyanine 5 bis-NHS ester.

## Sulfo-Cyanine 5 bis-NHS ester (A270292)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 5.