

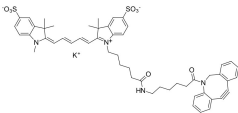
## Sulfo-Cyanine 5 DBCO (A270294)

### Specifications:

Name:	Sulfo-Cyanine 5 DBCO
Description:	Copper free Click chemistry reaction between strained cycloalkynes (cyclooctynes), and azides, is a very fast and robust reaction. It can be used for a fast labeling with fluorescent dyes. This reagent is a derivative of water soluble sulfo-Cyanine 5 dye which emits in red channel. It is useful for the labeling of biomolecules in aqueous media.
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>53</sub> H <sub>57</sub> N <sub>4</sub> KO <sub>8</sub> S <sub>2</sub>
Molecular Weight:	981.27 kDa
Product Form:	Dark colored solid.
Solubility:	Good in water, DMF, and DMSO.
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.

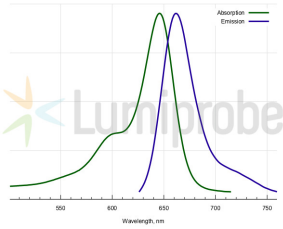
### Images:

Structure of Sulfo-Cyanine 5 DBCO.



## Sulfo-Cyanine 5 DBCO (A270294)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 5.