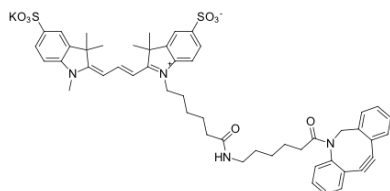


sulfo-Cyanine3 DBCO

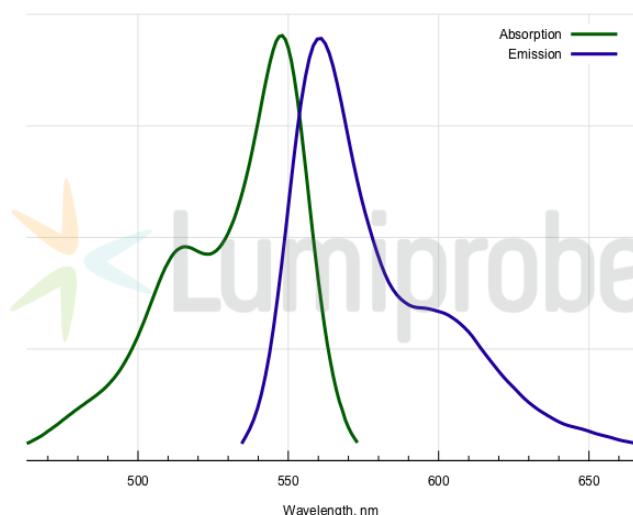
<http://www.lumiprobe.com/p/sulfo-cy3-dbco>

sulfo-Cyanine3 DBCO is a water-soluble fluorescent dye with cycloalkyne group for copper-free click chemistry.

DBCO (dibenzocyclooctyne) is a cyclooctyne with very high reactivity towards azides, still possessing good stability.



Structure of sulfo-Cyanine3 DBCO



Absorption and emission spectra of sulfo-Cyanine3

General properties

Appearance:	red solid
Mass spec M+ increment:	916.4
Molecular weight:	955.23
Molecular formula:	$C_{51}H_{55}N_4KO_8S_2$
Solubility:	soluble in water (0.11 M = 11 g/L), DMF, DMSO
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at $-20^\circ C$ 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:	548
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1