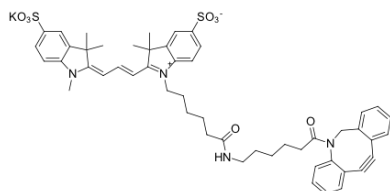


## sulfo-Cyanine3 DBCO

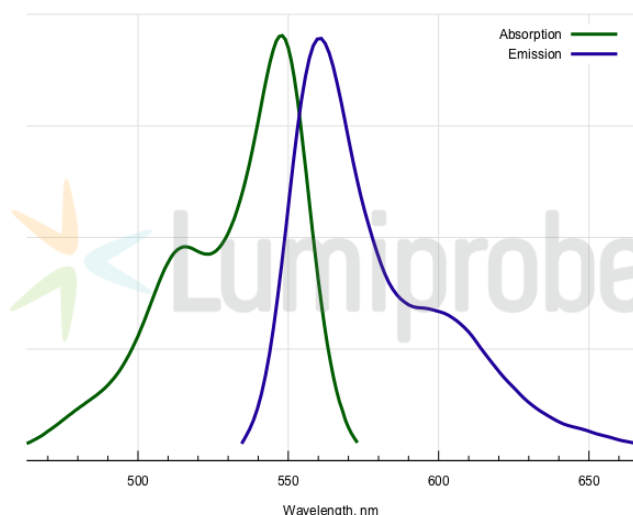
<http://www.lumiprobe.com/p/sulfo-cy3-dbc>

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 <sub>51</sub> H <sub>55</sub> N <sub>4</sub> KO <sub>8</sub> S <sub>2</sub>
Solubility:	soluble in water (0.11 M = 11 g/L), DMF, DMSO
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 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:	548
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1