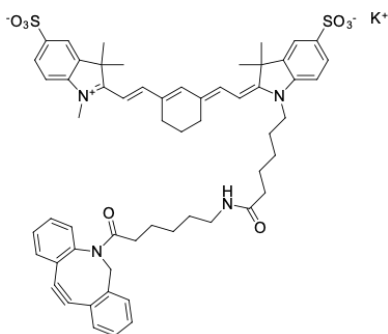


## sulfo-Cyanine7 DBCO

<http://www.lumiprobe.com/p/sulfo-cy7-dbco>

sulfo-Cyanine7 is a water-soluble near-IR dye. The spectral properties of sulfo-Cyanine7 are similar to [Cyanine7](#).

DBCO (dibenzocyclooctyne) is a stable, active cycloalkyne that rapidly reacts with azides in sterically promoted cycloaddition reactions. It is useful for the labeling of biomolecules in aqueous media.



**Structure of sulfo-Cyanine7 DBCO**

### General properties

Appearance:	dark green powder
Mass spec M+ increment:	1009.37
Molecular weight:	1047.37
Molecular formula:	C <sub>58</sub> H <sub>63</sub> KN <sub>4</sub> O <sub>6</sub> S <sub>2</sub>
Quality control:	NMR <sup>1</sup> H and <sup>31</sup> P, HPLC-MS (95%)
Storage conditions:	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:	750
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24