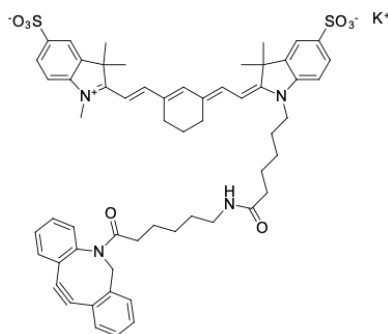


sulfo-Cyanine7 DBCO

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

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:	$C_{58}H_{63}KN_4O_6S_2$
Quality control:	NMR 1H and ^{31}P , HPLC-MS (95%)
Storage conditions:	12 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:	750
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24