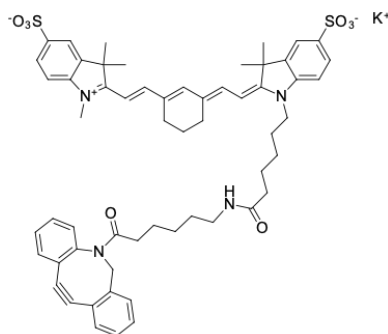


sulfo-Cyanine7 DBCO

<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.

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