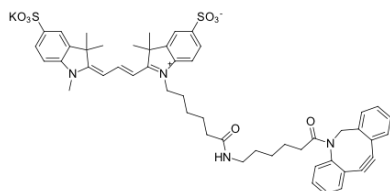


sulfo-Cyanine3 DBCO

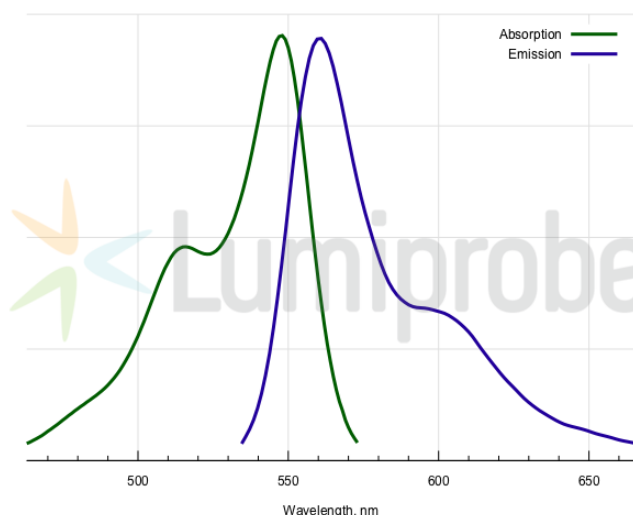
<http://www.lumiprobe.com/p/sulfo-cy3-dbco>

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 ₄ KO ₈ S ₂
Solubility:	soluble in water (0.11 M = 11 g/L), DMF, DMSO
Quality control:	NMR ¹ 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 ⁻¹ ·cm ⁻¹ :	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1