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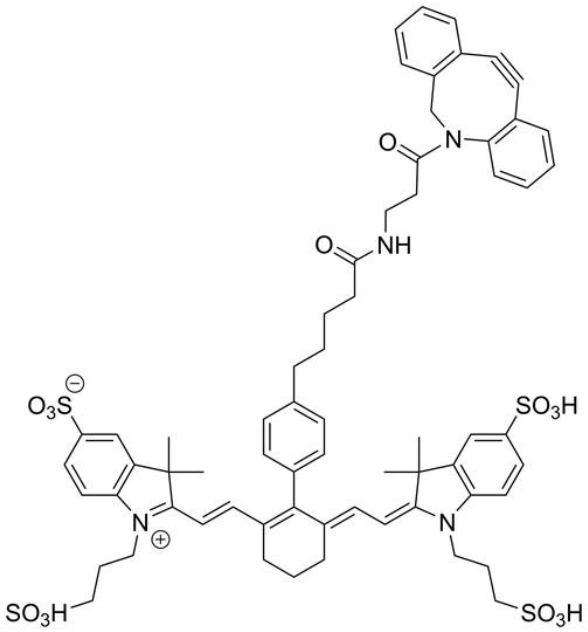
CY7 DBCO

SKU: CCT-1047



Description

Cy7 DBCO is a bright and photostable near-IR probe that spectrally similar to Alexa Fluor® 750, DyLight® 750, and IRDye® 750 dye. The Cy7 DBCO is water-soluble, hydrophilic dye often a reagent of choice for assay where minimal non-specific binding and exceptional brightness is required. The fluorescence of Cy7 DBCO is pH insensitive from pH 4 to pH 10 and produces minimal autofluorescence of biological specimens in this region of the spectrum. Fluorescence of this long-wavelength Cyanine dye is not visible to the human eye but is readily detected by most imaging systems.

Cy7 DBCO reacts with azides via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. In application where the presence of copper is a concern Cy7 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

Cy7 DBCO reagent is not suitable for staining intracellular components of fixed and permeabilized cells due to high backgrounds.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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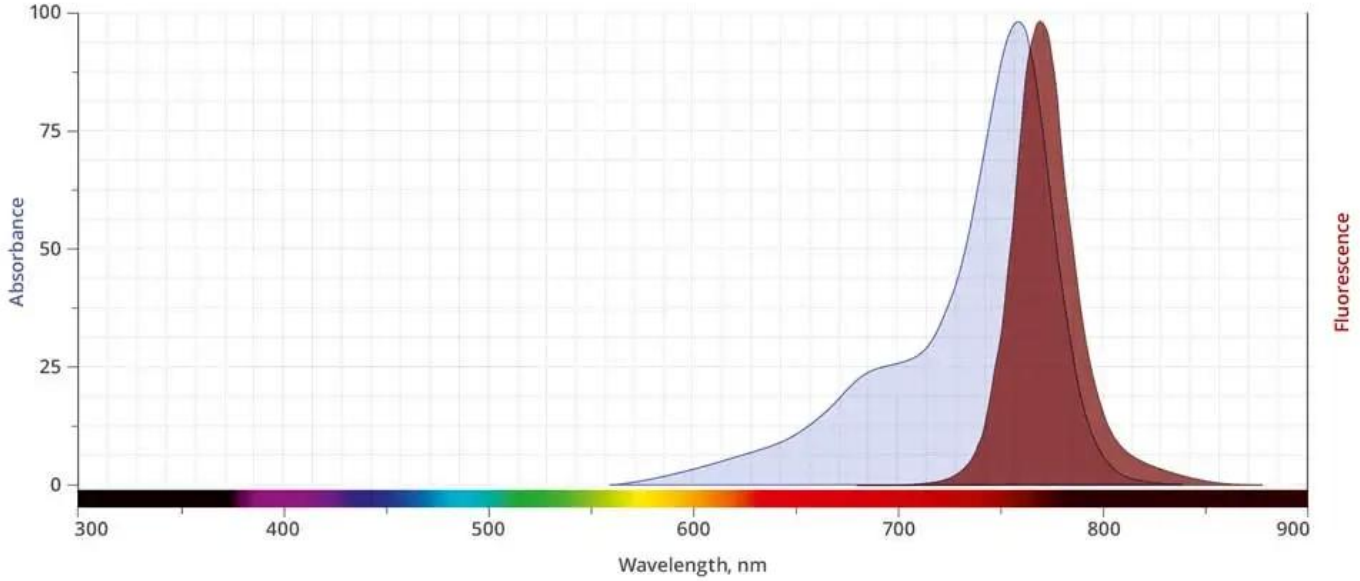

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Abs/Em Maxima	753/775 nm
Extinction Coefficient	255,000
Spectrally Similar Dyes	Alexa Fluor® 750, RDye® 750, CF® 750 Dye, DyLight® 750
Molecular weight	1259.53 (protonated)
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Dark green solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature