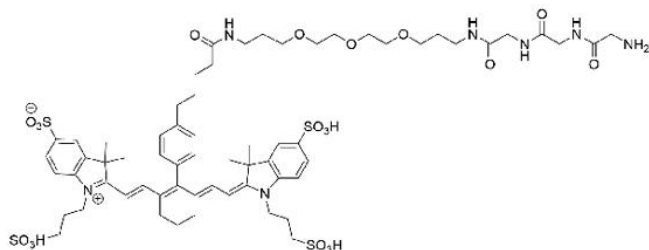


# CY7 GLY-GLY-GLY

**SKU:** CCT-1579

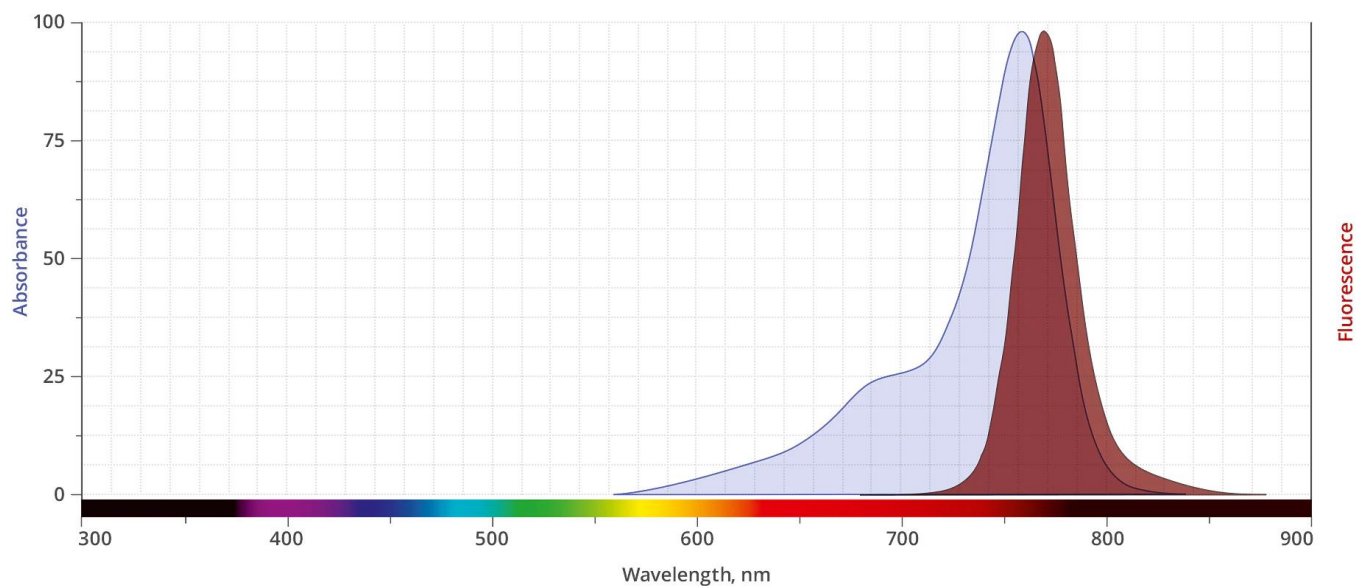


## Description

Water-soluble, substrate for sortase mediated labeling of proteins. Sortase catalyzes a transpeptidase reaction between a specific internal sequence of a protein and an amine group present on the N-terminus of triglycine recently has become an area of great interest. This method of labeling proteins has been denoted as “Sortagging”.

Cy7 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.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Abs/Em Maxima</b>	753/775 nm
<b>Extinction Coefficient</b>	255,000
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 750, RDye® 750, CF® 750 Dye, DyLight® 750
<b>Molecular weight</b>	1374.66 (protonated)
<b>Solubility</b>	Water, DMSO, DMF
<b>Appearance</b>	Dark green solid
<b>Storage Conditions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature

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