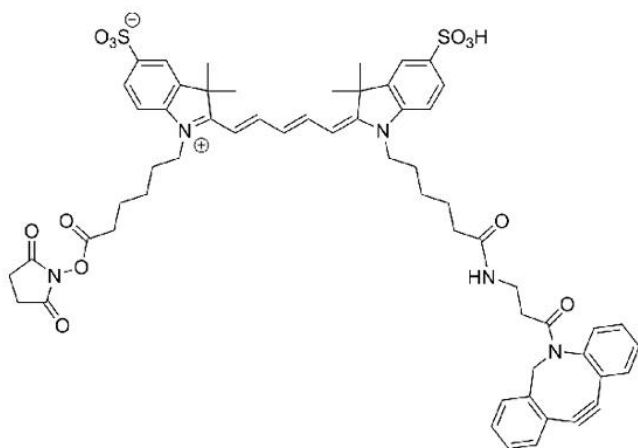


CY5 DBCO NHS ESTER

SKU: CCT-1561

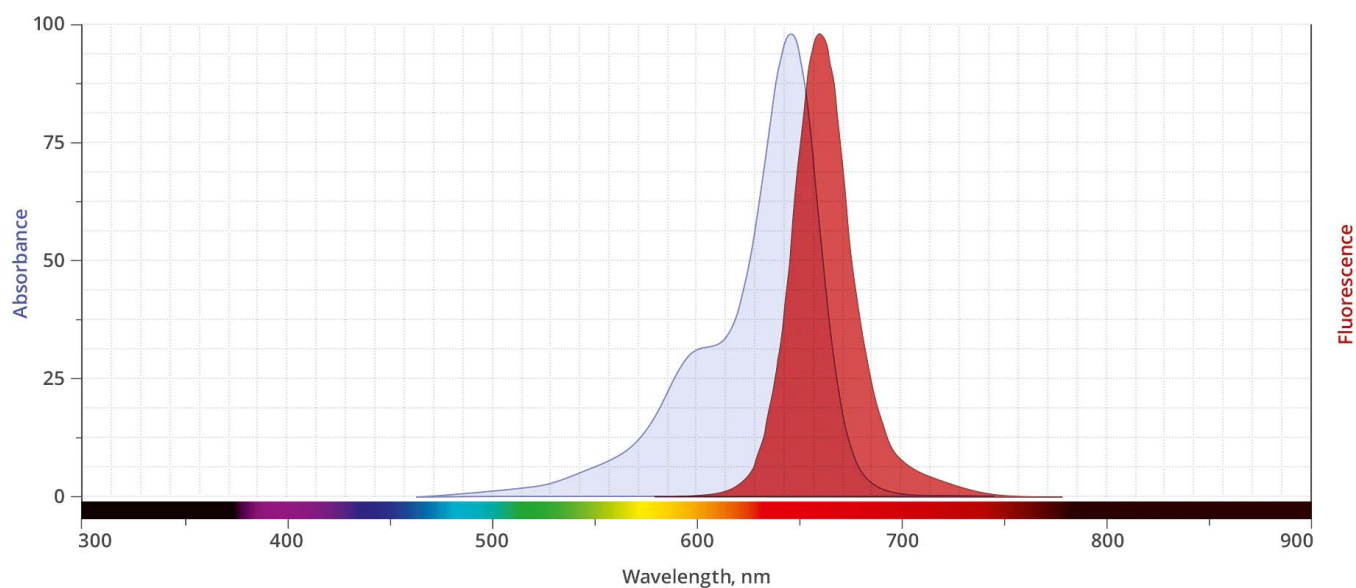


Description

Cy5 DBCO NHS Ester is a bright, far red fluorescent dual-label click chemistry probe that allows for simultaneous attachment of DBCO moiety and far red fluorescent Cy5 label. Conjugates prepared with Cy5 DBCO NHS Ester 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 Cy5 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

Cy5 dye is a water-soluble, pH-insensitive from pH 4 to pH 10, far-red-fluorescent probe with excitation ideally suited for the 633 nm or 647 nm laser lines. Its absorption and emission spectra are almost identical to those of Alexa Fluor® 647, CF® 647 Dye, or any other Cyanine5 based fluorescent dyes.

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



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg
Abs/Em Maxima	649/671 nm
Extinction Coefficient	250,000
Flow Cytometry Laser Line	633 or 635 nm
Microscopy Laser Line	633 or 635 nm
Spectrally Similar Dyes	Alexa Fluor® 647, CF™ 647 Dye, DyLight™ 649
Molecular weight	1098.30
CAS	N/A
Solubility	Water, DMSO, DMF
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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