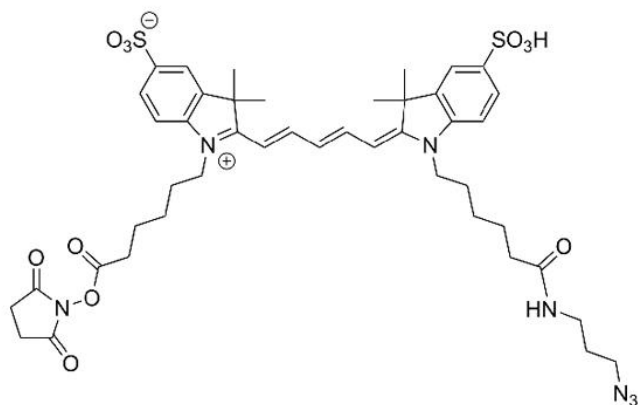


CY5 AZIDE NHS ESTER

SKU: CCT-1572

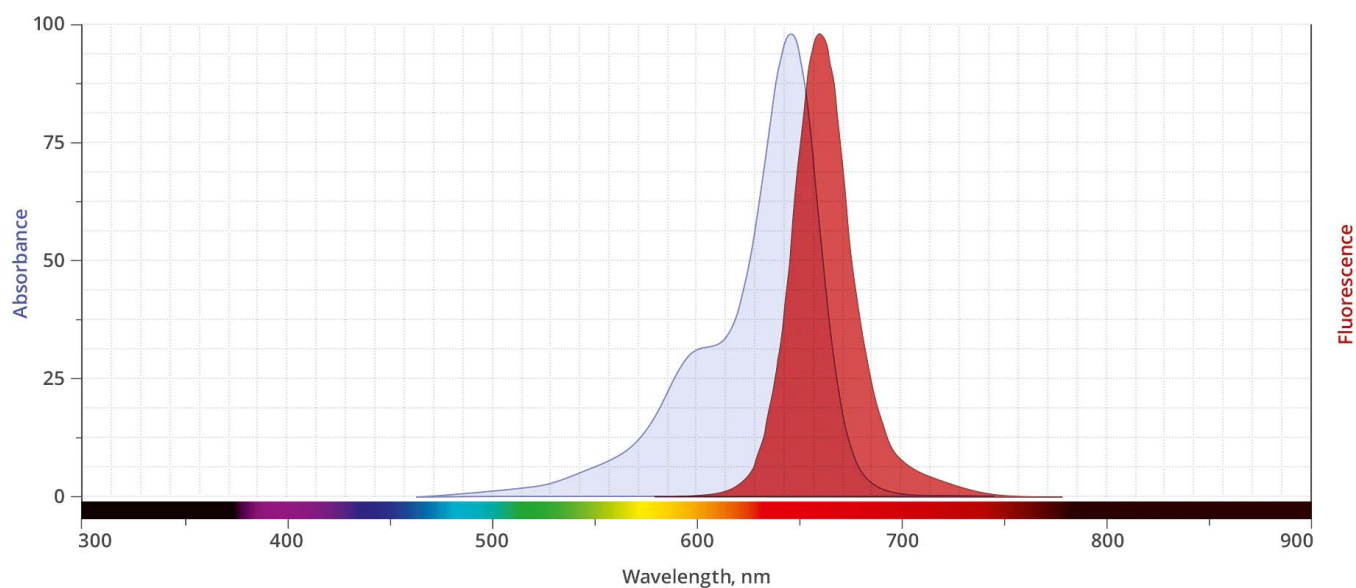


Description

Cy5 Azide NHS Ester is a bright, far red fluorescent dual-label click chemistry probe that allows for simultaneous attachment of azide group and far red fluorescent Cy5 label. Conjugates prepared with Cy5 Azide NHS Ester can be reacted with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures.

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 animal or human therapeutic or diagnostic use.



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	922.08
CAS	1564286-24-3
Solubility	Water, DMSO, DMF
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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