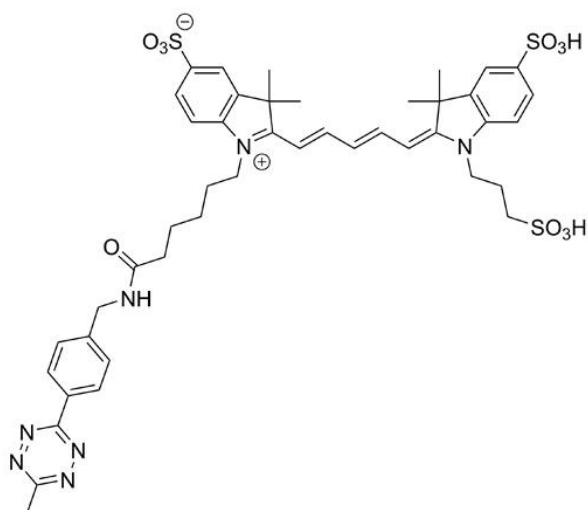


CY5 METHYLTETRAZINE

SKU: CCT-1019



Description

Methyltetrazine-activated Cy5 probe that reacts with TCO-containing compounds via an Inverse-Electron-Demand Diels-Alder reaction to form a stable covalent bond and does not require Cu-catalyst or elevated temperatures. The inverse-electron demand Diels-Alder cycloaddition reaction of TCO with tetrazines is a bioorthogonal reaction that possesses exceptional kinetics ($k > 800 \text{ M}^{-1} \text{ s}^{-1}$) and selectivity. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	649/671 nm
Extinction Coefficient	250,000
Flow Cytometry Laser Line	633 or 635 nm

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

Microscopy Laser Line	633 or 635 nm
Spectrally Similar Dyes	Alexa Fluor® 647, Atto™ 647, CF® 647 Dye, DyLight® 649
Molecular weight	934.10
CAS	N/A
Solubility	Water, DMSO, DMF, MeOH
Purity	>95% (HPLC)
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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