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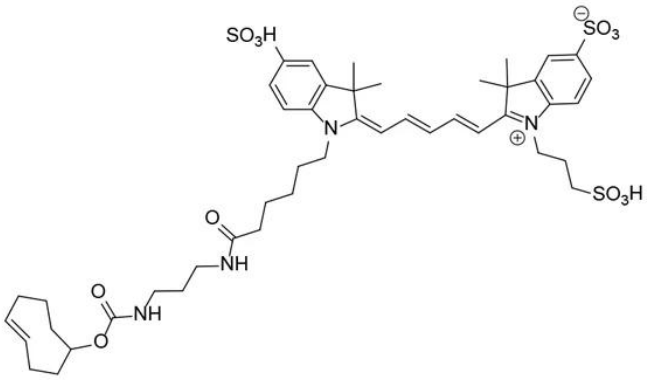
CY5-TCO

SKU: CCT-1089



Description

A TCO-activated Cy5 probe can be used for detection and visualization of tetrazine-containing molecules. TCO moiety reacts with tetrazines to produce a stable, covalent linkage, also referred to as the inverse-electron demand Diels-Alder cycloaddition reaction. This reaction is extremely fast (k > 800 M -1 s-1), selective, and biocompatible. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

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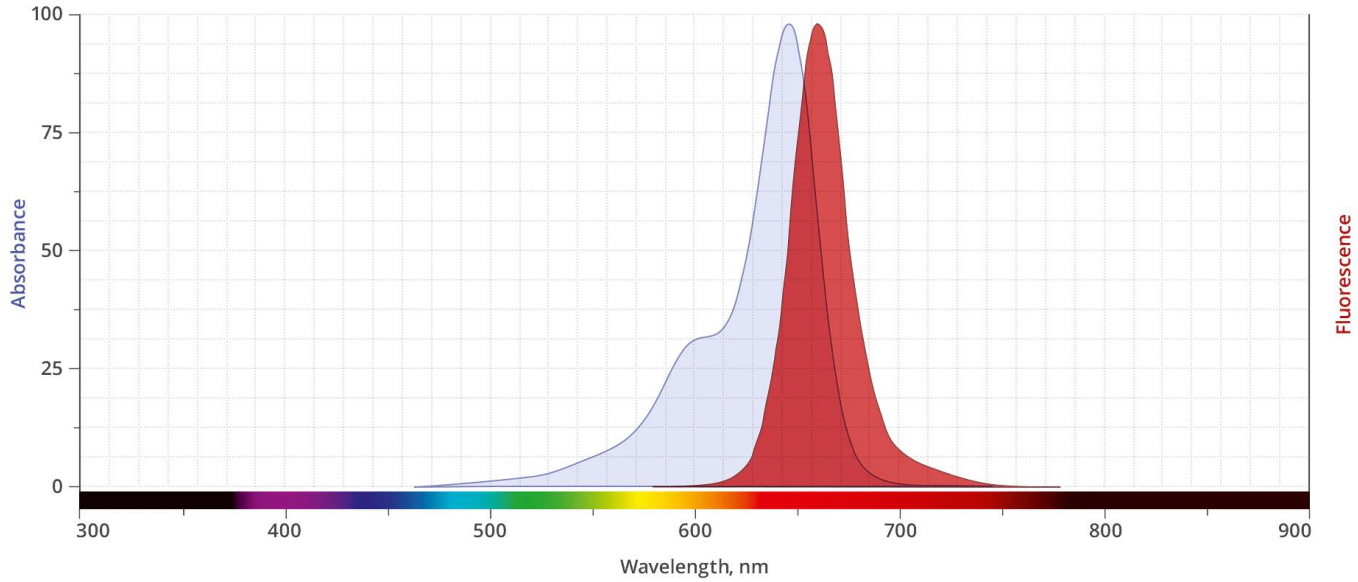

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	647/663 nm
Extinction Coefficient	251,000
Spectrally Similar Dyes	Alexa Fluor® 647, Atto™ 647, CF™ 647 Dye, DyLight™649
Molecular weight	959.20
CAS	N/A
Solubility	Water, DMSO, DMF, MeOH
Purity	>95% (HPLC)
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Dry ice

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