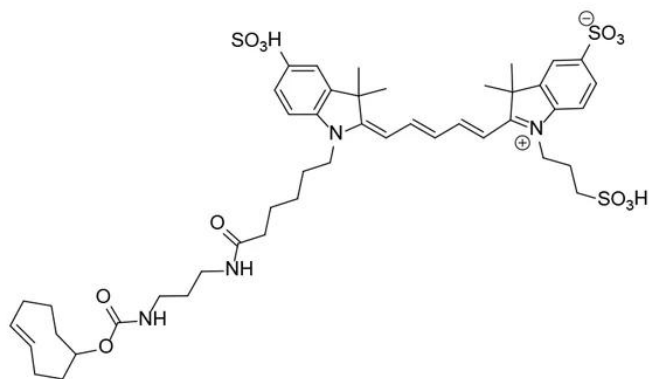




CY5-TCO

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 ($k > 800 \text{ M}^{-1} \text{ s}^{-1}$), selective, and biocompatible. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

SPECIFICATIONS

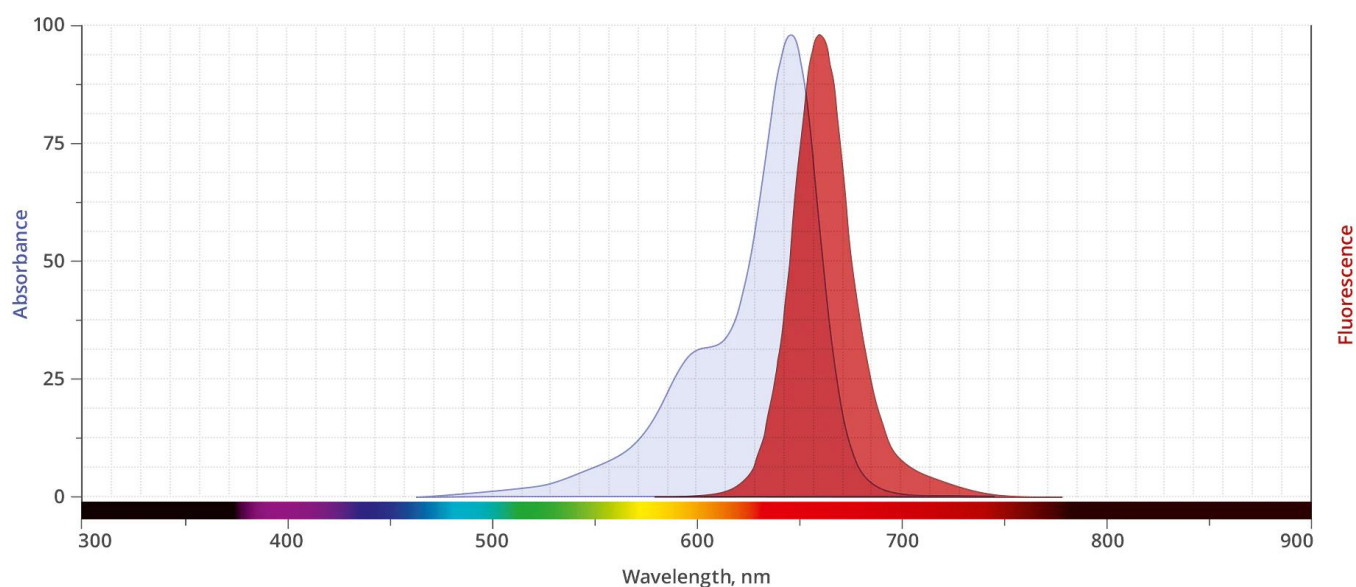
CAS Number	N/A
Molecular Weight	959.2
Appearance	Blue solid
Extinction Coefficient	251,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF, MeOH

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



Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 647, Atto™ 647, CF™ 647 Dye, DyLight™ 649
Excitation/Emission Maximum	647/663 nm
Shipping Conditions	Dry ice
Shipping Instructions	Dry ice

ABS/EM SPECTRA



DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES

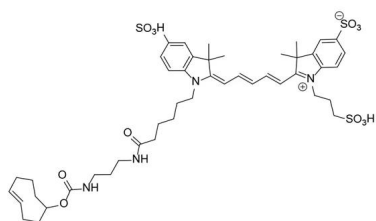
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Cy5-TCO

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