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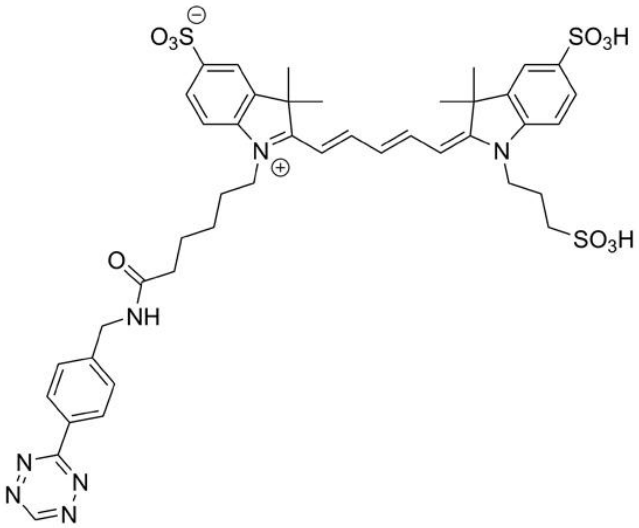
CY5 TETRAZINE

SKU: CCT-1189



DESCRIPTION

Terazine-activated Cy5 dye reacts with TCO-containing compounds via a 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 and selectivity. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

Cy5 Tetrazine 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 spactra 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.

This is sulfonated dye is also known as sulfo-Cyanine5.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	919.27
Appearance	Blue solid
Extinction Coefficient	250,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 647, Atto™ 647, CF® 647 Dye, DyLight® 649
Laser Line	633 or 635 nm
Excitation/Emission Maximum	649/671 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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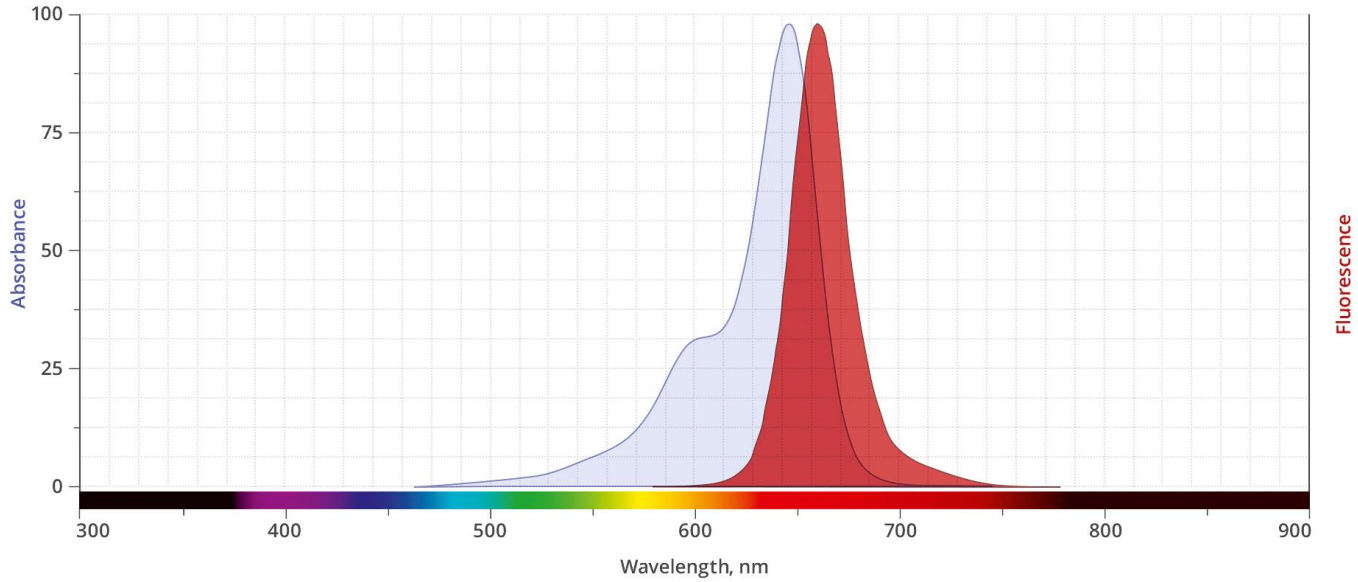
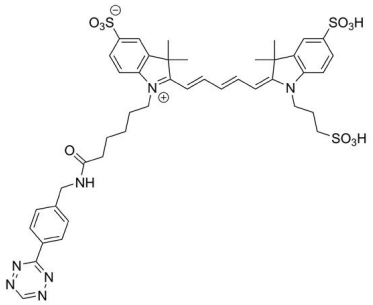


DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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