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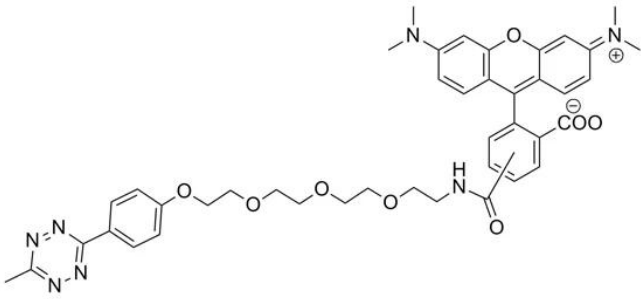
TAMRA METHYLTETRAZINE

SKU: CCT-1026



Description

Methyltetrazine-activated TAMRA dye that 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 (k > 800 M-1 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	553/575 nm
Extinction Coefficient	92,000
Flow Cytometry Laser Line	532, 555, or 568 nm
Microscopy Laser Line	532 or 555 nm
Spectrally Similar Dyes	Alexa Fluor® 546, Atto™ 543, CF™ 555 Dye, DyLight™549
Molecular weight	776.83
CAS	N/A
Solubility	DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red amorphous solid

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

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Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
