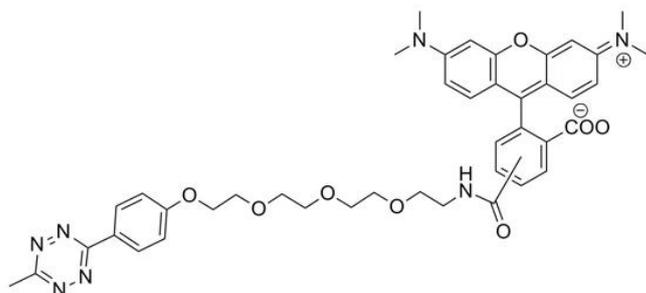


# TAMRA METHYLTETRAZINE

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

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Abs/Em Maxima</b>	553/575 nm
<b>Extinction Coefficient</b>	92,000
<b>Flow Cytometry Laser Line</b>	532, 555, or 568 nm
<b>Microscopy Laser Line</b>	532 or 555 nm
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 546, Atto™ 543, CF™ 555 Dye, DyLight™ 549
<b>Molecular weight</b>	776.83
<b>CAS</b>	N/A
<b>Solubility</b>	DMSO, DMF
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Red amorphous solid

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

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

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