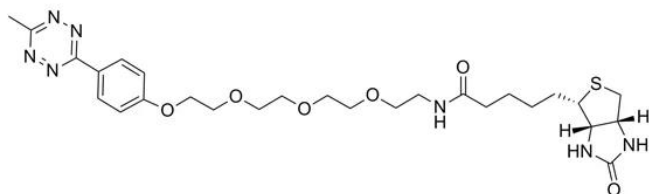


# BIOTIN-PEG4-METHYLTETRAZINE

**SKU:** CCT-1024



## Description

Methyltetrazine-activated biotinylation reagent that reacts with TCO-containing compounds via an 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>	10 mg, 25 mg, 100 mg
<b>Molecular weight</b>	589.71
<b>Chemical composition</b>	C <sub>27</sub> H <sub>39</sub> N <sub>7</sub> O <sub>6</sub> S
<b>CAS</b>	N/A
<b>Solubility</b>	DMSO, DMF
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Red crystalline
<b>Storage Conditions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature

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