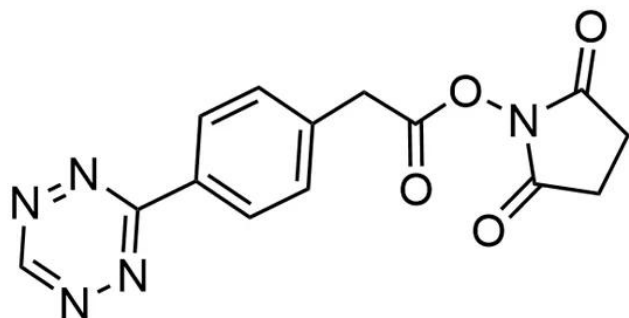


# TETRAZINE-NHS ESTER

**SKU:** CCT-1127



## Description

Tetrazine-NHS Ester demonstrates exceptionally fast cycloaddition kinetics (up to  $30\,000\text{ M}^{-1}\text{ s}^{-1}$ ) with *trans*-cyclooctene (TCO) as the dienophile, the fastest kinetics ever reported for any bioorthogonal reaction. The chemical stability tetrazines is substantially lower compared to Methyltetrazines, which requires more careful selection of reagents and conditions for chemical transformation, however it is in acceptable range for many applications.

This product is not recommended for labeling of proteins or any other biopolymers in aqueous buffers due to poor aqueous solubility.

## Specifications

<b>Unit Size</b>	25 mg, 100 mg, 500 mg, 1000 mg
<b>Molecular weight</b>	313.27
<b>Chemical composition</b>	C <sub>14</sub> H <sub>11</sub> N <sub>5</sub> O <sub>4</sub>
<b>CAS</b>	1616668-55-3
<b>Solubility</b>	DMSO, DMF, DCM, THF, Chloroform
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Red crystalline
<b>Storage Conditions</b>	-20°C. Desiccate

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

**Shipping Conditions**

Ambient temperature

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