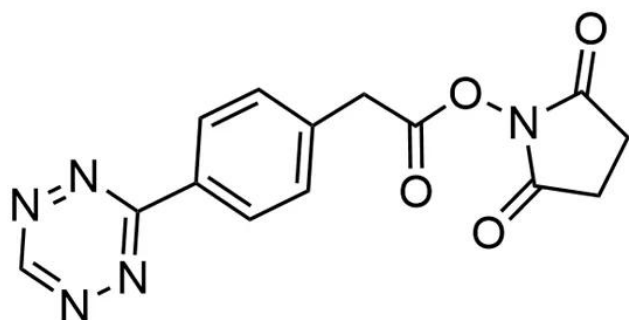




TETRAZINE-NHS ESTER

SKU: CCT-1127



DESCRIPTION

Tetrazine-NHS Ester demonstrates exceptionally fast cycloaddition kinetics (up to 30 000 M⁻¹ 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

CAS Number	1616668-55-3
Molecular Weight	313.27
Appearance	Red crystalline
Chemical Formula	C14H11N5O4
Purity	>95% (HPLC)

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



Unit Size	25 mg, 100 mg, 500 mg, 1000 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

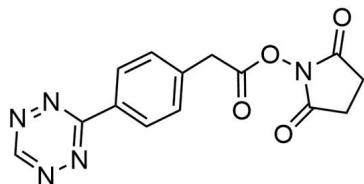
SELECTED REFERENCES

1. Sun, N., *et al.* (2020). Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. *Nat Commun.*, **11**, 4489. [[PubMed](#)]

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



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