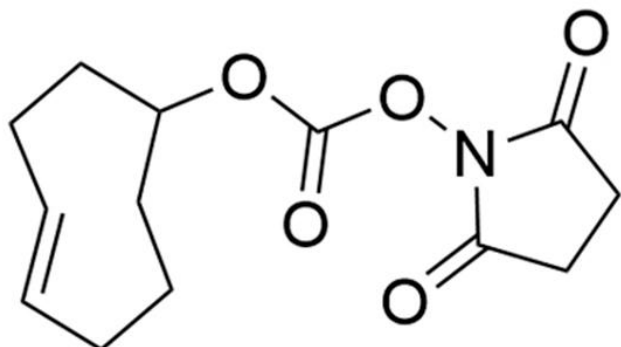


TCO-NHS ESTER (AXIAL)

SKU: CCT-1509



Description

TCO-NHS Ester is an amine-reactive building block used for modification of amine-containing molecule in organic media. TCO-NHS ester is supplied as a single axial (minor, *rel*-(1S-2S-5E-pS), ref 1 and 4) diastereomer. Specially formulated crystalline provides easy handling and extended shelf life.

Axial TCO derivatives demonstrate much higher reactivity in the inverse electron demand cycloaddition reaction compared to equatorial TCO derivatives. Up to 10-fold increase in reactivity was reported (ref 4) compared to equatorial TCO derivatives. At the same time, the axial TCO derivatives undergo *cis-trans* deactivation at faster rate compared to equatorial TCO derivatives (ref 4).

Specifications

Unit Size	25 mg, 100 mg, 1000 mg
Molecular weight	267.28
Chemical composition	C13H17NO5
CAS	1610931-22-0
Solubility	DMSO, DMF, DCM, THF, Chloroform
Purity	>95% (HPLC)
Appearance	White to slightly grey crystalline

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

Storage Conditions
Shipping Conditions

-20°C. Desiccate
Dry ice

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