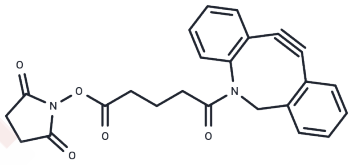
Data Sheet (Cat.No.T17775)

TargetMol

DBCO-NHS ester 3

Chemical Properties



CAS No. : 1393350-27-0

Formula: C24H20N2O5

Molecular Weight: 416.43

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	DBCO-NHS ester 3 (Compound 12) is a cleavable linker utilized in the synthesis of antibody-drug conjugate (ADC). It is a derivative of Dibenzylcyclooctyne (DBCO) resulting from the activation of N-hydroxysuccinimide by the carboxylic acid moiety of both methyl-oxanorbornadiene (MeOND) and dibenzoazacyclooctyne (DIBAC)[1][2].
Targets(IC50)	ADC Linker,PROTAC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4014 mL	12.0068 mL	24.0136 mL
5 mM	0.4803 mL	2.4014 mL	4.8027 mL
10 mM	0.2401 mL	1.2007 mL	2.4014 mL
50 mM	0.048 mL	0.2401 mL	0.4803 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Silvie A. Meeuwissen, et al. Copper-free click chemistry on polymersomes: pre- vs. post-self-assembly functionalization. Polymer Chemistry. 2012, 3: 1783-1795.
Tang F, et al. Chemoenzymatic synthesis of glycoengineered IgG antibodies and glycosite-specific antibody-drug conjugates. Nat Protoc. 2017 Aug;12(8):1702-1721.

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