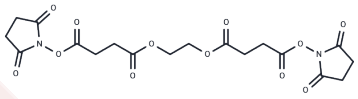
Data Sheet (Cat.No.T15203)

TargetMol

EGNHS

Chemical Properties



CAS No. : 70539-42-3

Formula: C18H20N2O12

Molecular Weight: 456.36

Storage: Store under nitrogen
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	EGNHS (EGS crosslinker) is an alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC50)	PROTAC Linker
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	DMSO: 247.5 mg/mL (542.33 mM),Sonication is recommended. H2O: 3.8 mg/mL (8.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.23 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1913 mL	10.9563 mL	21.9125 mL
5 mM	0.4383 mL	2.1913 mL	4.3825 mL
10 mM	0.2191 mL	1.0956 mL	2.1913 mL
50 mM	0.0438 mL	0.2191 mL	0.4383 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

O'Brien AM, et al. Location of crosslinks in chemically stabilized horseradish peroxidase: implications for design of crosslinks. Biotechnol Bioeng. 2001;76(4):277-284.

Forde J, et al. Chemical modification and immobilisation of laccase from Trametes hirsuta and from Myceliophthora thermophila. Enzyme Microb Technol. 2010;46(6):430-437.