

Azido-PEG12-NHS ester

Chemical Properties

CAS No. : 2363756-50-5

Formula: C₃₁H₅₆N₄O₁₆

Molecular Weight: 740.79

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Azido-PEG12-NHS ester, a PEG-based PROTAC linker, is utilized in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked by a connector, bind to an E3 ubiquitin ligase and a target protein, respectively, leveraging the ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	DMSO: 250 mg/mL (337.48 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (13.5 mM),Solution. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3499 mL	6.7496 mL	13.4991 mL
5 mM	0.270 mL	1.3499 mL	2.6998 mL
10 mM	0.135 mL	0.675 mL	1.3499 mL
50 mM	0.027 mL	0.135 mL	0.270 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481