Data Sheet (Cat.No.T17408)

TargetMol

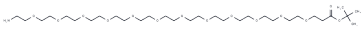
Amino-PEG12-Boc

Chemical Properties

CAS No. : 1383814-00-3

Formula: C31H63NO14

Molecular Weight: 673.83



Storage: Store at low temperature
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	Amino-PEG12-Boc, a PEG-based PROTAC linker, is utilized in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together, one binding to an E3 ubiquitin ligase and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system for the selective degradation of target proteins [1].

Solubility Information

Solubility	DMSO: 100 mg/mL (148.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.94 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	1.4841 mL	7.4203 mL	14.8405 mL
5 mM	0.2968 mL	1.4841 mL	2.9681 mL
10 mM	0.1484 mL	0.742 mL	1.4841 mL
50 mM	0.0297 mL	0.1484 mL	0.2968 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

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