

m-PEG12-NHS ester

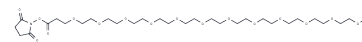
Chemical Properties

CAS No. : 2207596-93-6

Formula: C30H55NO16

Molecular Weight: 685.76

Storage: Keep away from moisture, 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	m-PEG12-NHS ester is a PEG backbone PROTAC linker commonly used in the synthesis of PROTAC molecules, and the NHS ester can covalently bind to primary amines (-NH ₂) on biomolecule.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 100 mg/mL (145.82 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 (5.83 mM), Sonication is recommended. <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	1.4582 mL	7.2912 mL	14.5824 mL
5 mM	0.2916 mL	1.4582 mL	2.9165 mL
10 mM	0.1458 mL	0.7291 mL	1.4582 mL
50 mM	0.0292 mL	0.1458 mL	0.2916 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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