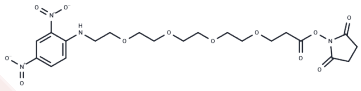
Data Sheet (Cat.No.T15154)

TargetMol

DNP-PEG4-NHS ester

Chemical Properties



CAS No. : 858126-78-0

Formula: C21H28N4O12

Molecular Weight: 528.47

Storage: Store at low temperature
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	DNP-PEG4-NHS ester is a PEG-based PROTAC linker suitable for synthesising PROTAC molecules.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble) DMSO: ≥ 80 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (6.24 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	1.8923 mL	9.4613 mL	18.9226 mL
5 mM	0.3785 mL	1.8923 mL	3.7845 mL
10 mM	0.1892 mL	0.9461 mL	1.8923 mL
50 mM	0.0378 mL	0.1892 mL	0.3785 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