

## 7-O-(Amino-PEG4)-paclitaxel

## Chemical Properties

CAS No. :

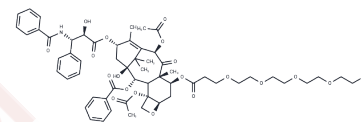
Formula: C58H72N2O19

Molecular Weight: 1101.19

Keep away from direct sunlight

Storage: 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	7-O-(Amino-PEG4)-paclitaxel is a PEG-based linker used in PROTACs to connect two essential ligands, facilitating selective protein degradation through the ubiquitin-proteasome system in cells.
Targets(IC50)	Drug-Linker Conjugates for ADC,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one that binds to an E3 ubiquitin ligase and another that targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9081 mL	4.5405 mL	9.0811 mL
5 mM	0.1816 mL	0.9081 mL	1.8162 mL
10 mM	0.0908 mL	0.4541 mL	0.9081 mL
50 mM	0.0182 mL	0.0908 mL	0.1816 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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