

Data Sheet (Cat.No.T17412)

Amino-PEG14-acid

Chemical Properties

CAS No.:	T17412
Formula:	C31H63NO16
Molecular Weight:	705.83
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Amino-PEG14-acid is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC ₅₀)	PEGs: None
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.417 mL	7.084 mL	14.168 mL
5 mM	0.283 mL	1.417 mL	2.834 mL
10 mM	0.142 mL	0.708 mL	1.417 mL
50 mM	0.028 mL	0.142 mL	0.283 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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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