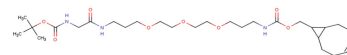


Boc-gly-PEG3-endo-BCN

Chemical Properties

CAS No.:	2110444-63-6
Formula:	C ₂₈ H ₄₇ N ₃ O ₈
Molecular Weight:	553.69
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Boc-gly-PEG3-endo-BCN is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Boc-gly-PEG3-endo-BCN is also a cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].
Targets(IC ₅₀)	PEGs: None Alkyl/ether: None Cleavable: 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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

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	1.806 mL	9.03 mL	18.061 mL
5 mM	0.361 mL	1.806 mL	3.612 mL
10 mM	0.181 mL	0.903 mL	1.806 mL
50 mM	0.036 mL	0.181 mL	0.361 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

- 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.
- Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

Inhibitors · Natural Compounds · Compound Libraries

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