

NH-bis(PEG3-C2-NH-Boc)

Chemical Properties

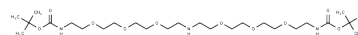
CAS No. : 2055024-51-4

Formula: C₂₆H₅₃N₃O₁₀

Molecular Weight: 567.71

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NH-bis(PEG3-C2-NH-Boc) is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
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].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7615 mL	8.8073 mL	17.6146 mL
5 mM	0.3523 mL	1.7615 mL	3.5229 mL
10 mM	0.1761 mL	0.8807 mL	1.7615 mL
50 mM	0.0352 mL	0.1761 mL	0.3523 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.

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481