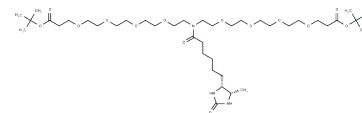


N-Desthiobiotin-N-bis(PEG4-t-butyl ester)

Chemical Properties

CAS No. :	2353409-60-4
Formula:	C40H75N3O14
Molecular Weight:	822.04
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-Desthiobiotin-N-bis(PEG4-t-butyl ester) is a PEG-based linker compound employed for the synthesis of PROTACs, which are bifunctional molecules designed for targeted protein degradation[1].
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	1.2165 mL	6.0824 mL	12.1649 mL
5 mM	0.2433 mL	1.2165 mL	2.433 mL
10 mM	0.1216 mL	0.6082 mL	1.2165 mL
50 mM	0.0243 mL	0.1216 mL	0.2433 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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