

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

## Chemical Properties

CAS No. : 2353409-60-4

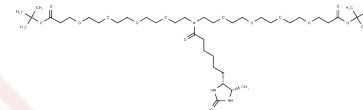
Formula: C40H75N3O14

Molecular Weight: 822.04

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	N-Desthiobiotin-N-bis(PEG4-t-butyl ester) is a PEG-based linker compound used in the synthesis of PROTACs, which are bifunctional molecules aimed at targeted protein degradation[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase while the other targets the desired protein. They leverage 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.

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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