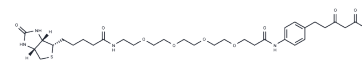


Diketone-PEG4-Biotin

Chemical Properties

CAS No. : 2353409-85-3
 Formula: C33H50N4O9S
 Molecular Weight: 678.84
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Diketone-PEG4-Biotin 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	1.4731 mL	7.3655 mL	14.731 mL
5 mM	0.2946 mL	1.4731 mL	2.9462 mL
10 mM	0.1473 mL	0.7366 mL	1.4731 mL
50 mM	0.0295 mL	0.1473 mL	0.2946 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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