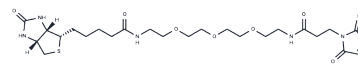


Biotin-PEG3-Mal

Chemical Properties

CAS No. :	1431618-70-0
Formula:	C25H39N5O8S
Molecular Weight:	569.67
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Biotin-PEG3-Mal is a biotinylated polyethylene glycol (PEG) derivative used as a linker in the synthesis of proteolysis targeting chimeras (PROTACs). By introducing the biotin moiety, it enables specific recognition and binding to target proteins. Additionally, the PEG spacer contributes to improved solubility and flexibility of the linker. This compound offers a valuable tool for constructing PROTACs, which hold great potential in targeted protein degradation strategies[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	1.7554 mL	8.777 mL	17.554 mL
5 mM	0.3511 mL	1.7554 mL	3.5108 mL
10 mM	0.1755 mL	0.8777 mL	1.7554 mL
50 mM	0.0351 mL	0.1755 mL	0.3511 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

Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481