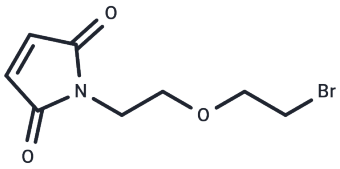
Data Sheet (Cat.No.T15975)

TargetMol
YOUR TARGET MOLECULES

Mal-PEG1-bromide

Chemical Properties



CAS No. : 1823885-81-9

Formula: C8H10BrNO3

Molecular Weight: 248.07

Appearance: no data available

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

Biological Description

Description	Mal-PEG1-bromide 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	4.0311 mL	20.1556 mL	40.3112 mL
5 mM	0.8062 mL	4.0311 mL	8.0622 mL
10 mM	0.4031 mL	2.0156 mL	4.0311 mL
50 mM	0.0806 mL	0.4031 mL	0.8062 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

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