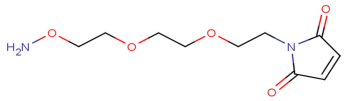
Data Sheet (Cat.No.T18277)

TargetMol
A DRUG SCREENING EXPERT

Mal-PEG2-oxyamine

Chemical Properties



CAS No.:	1146245-73-9
Formula:	C10H16N2O5
Molecular Weight:	244.24
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Mal-PEG2-oxyamine is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC_{50})	PEGs: None
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].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.094 mL	20.472 mL	40.943 mL
5 mM	0.819 mL	4.094 mL	8.189 mL
10 mM	0.409 mL	2.047 mL	4.094 mL
50 mM	0.082 mL	0.409 mL	0.819 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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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