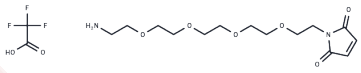
Data Sheet (Cat.No.T40169)

TargetMol

Mal-PEG4-C2-NH2 TFA

Chemical Properties



CAS No. : 2512227-13-1

Formula: C16H25F3N2O8

Molecular Weight: 430.377

Storage: Keep away from direct sunlight
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	Mal-PEG4-C2-NH2 TFA, a PEG-based linker, facilitates the assembly of PROTAC molecules by connecting two essential ligands, thereby enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands connected by a linker–one for an E3 ubiquitin ligase and the other for the target protein–utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3235 mL	11.6176 mL	23.2353 mL
5 mM	0.4647 mL	2.3235 mL	4.6471 mL
10 mM	0.2324 mL	1.1618 mL	2.3235 mL
50 mM	0.0465 mL	0.2324 mL	0.4647 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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