

Mal-PEG5-PFP ester

Chemical Properties

CAS No. : 1807512-46-4

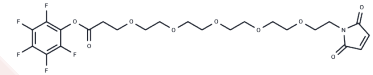
Formula: C₂₃H₂₆F₅N₉O₉

Molecular Weight: 555.45

Keep away from direct sunlight

Storage: 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-PEG5-PFP ester is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules. This linker facilitates selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one ligand targets an E3 ubiquitin ligase, while the other targets the specific protein. They leverage the intracellular ubiquitin-proteasome system for the targeted degradation of proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8003 mL	9.0017 mL	18.0034 mL
5 mM	0.3601 mL	1.8003 mL	3.6007 mL
10 mM	0.180 mL	0.9002 mL	1.8003 mL
50 mM	0.036 mL	0.180 mL	0.3601 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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