

Diketone-PEG11-Diketone

Chemical Properties

CAS No. :

Formula: C₅₀H₇₆N₂O₁₇

Molecular Weight: 977.14



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	Diketone-PEG11-Diketone is a polyethylene glycol (PEG)-based linker utilized for the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprised of two ligands linked together—one binding an E3 ubiquitin ligase and the other targeting a specific protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0234 mL	5.117 mL	10.2339 mL
5 mM	0.2047 mL	1.0234 mL	2.0468 mL
10 mM	0.1023 mL	0.5117 mL	1.0234 mL
50 mM	0.0205 mL	0.1023 mL	0.2047 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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