

m-PEG5-2-methylacrylate

Chemical Properties

CAS No. : 48074-75-5

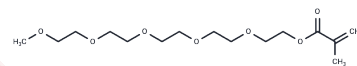
Formula: C₁₅H₂₈O₇

Molecular Weight: 320.38

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	m-PEG5-2-methylacrylate is a polyethylene glycol (PEG)- and alkyl/ester-based PROTAC linker used in the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together, one binding to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1213 mL	15.6065 mL	31.2129 mL
5 mM	0.6243 mL	3.1213 mL	6.2426 mL
10 mM	0.3121 mL	1.5606 mL	3.1213 mL
50 mM	0.0624 mL	0.3121 mL	0.6243 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

Yong Ku Kwon, et al. Reduced excimer formation in polyfluorenes by introducing coil-like poly[penta(ethylene glycol) methyl ether methacrylate] block segments. *Macromolecules*, 2009, 42(3), 887-891.

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