

Nonylbenzene-PEG5-OH

Chemical Properties

CAS No. : 20636-48-0

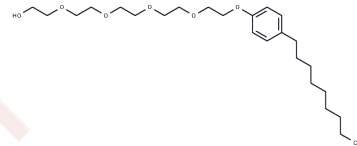
Formula: C₂₅H₄₄O₆

Molecular Weight: 440.61

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	Nonylbenzene-PEG5-OH is a PEG-based linker for PROTACs, joining two essential ligands crucial for PROTAC molecule formation and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together; one ligand is specific for an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2696 mL	11.3479 mL	22.6958 mL
5 mM	0.4539 mL	2.2696 mL	4.5392 mL
10 mM	0.227 mL	1.1348 mL	2.2696 mL
50 mM	0.0454 mL	0.227 mL	0.4539 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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