

Tetraethylene glycol monohexadecyl ether

Chemical Properties

CAS No. : 5274-63-5

Formula: C₂₄H₅₀O₅

Molecular Weight: 418.651

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	Tetraethylene glycol monohexadecyl ether, a PEG-based PROTAC linker, is suitable for synthesizing PROTACs.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked by a connector: one targeting an E3 ubiquitin ligase and the other targeting a specific protein. They utilize the intracellular ubiquitin-proteasome system for the selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3886 mL	11.9432 mL	23.8863 mL
5 mM	0.4777 mL	2.3886 mL	4.7773 mL
10 mM	0.2389 mL	1.1943 mL	2.3886 mL
50 mM	0.0478 mL	0.2389 mL	0.4777 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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