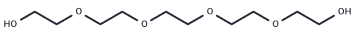
Data Sheet (Cat.No.T16468)

TargetMol

Pentaethylene glycol

Chemical Properties



CAS No. : 4792-15-8

Formula: C10H22O6

Molecular Weight: 238.278

Storage: Store under nitrogen
Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Pentaethylene glycol (3,6,9,12-Tetraoxatetradecane-1,14-diol) is a PROTAC linker belonging to the PEG class and can be used to synthesize PROTAC molecules.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs contain two ligands connected by a linker: one for an E3 ubiquitin ligase and the other for the target protein. They exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1967 mL	20.9837 mL	41.9674 mL
5 mM	0.8393 mL	4.1967 mL	8.3935 mL
10 mM	0.4197 mL	2.0984 mL	4.1967 mL
50 mM	0.0839 mL	0.4197 mL	0.8393 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481