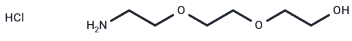
Data Sheet (Cat.No.T41071)

TargetMol

NH2-PEG3 hydrochloride

Chemical Properties



CAS No. : 92505-84-5

Formula: C6H16ClNO3

Molecular Weight: 185.65

Storage: Keep away from direct sunlight
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	NH2-PEG3 hydrochloride is a PEG-based linker for PROTACs, crucial for joining two essential ligands to form PROTAC molecules. This compound facilitates selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one that binds to an E3 ubiquitin ligase and another that binds to the target protein. Through leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3865 mL	26.9324 mL	53.8648 mL
5 mM	1.0773 mL	5.3865 mL	10.773 mL
10 mM	0.5386 mL	2.6932 mL	5.3865 mL
50 mM	0.1077 mL	0.5386 mL	1.0773 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