

Azido-PEG23-amine

Chemical Properties

CAS No. : 2172677-19-7

Formula: C₄₈H₉₈N₄O₂₃

Molecular Weight: 1099.3

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	Azido-PEG23-amine is a PEG-based linker used in PROTACs, facilitating the joining of two essential ligands to enable selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one targets an E3 ubiquitin ligase and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system for the selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9097 mL	4.5483 mL	9.0967 mL
5 mM	0.1819 mL	0.9097 mL	1.8193 mL
10 mM	0.091 mL	0.4548 mL	0.9097 mL
50 mM	0.0182 mL	0.091 mL	0.1819 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481