

Tos-PEG2-O-Propargyl

Chemical Properties

CAS No. : 1119249-30-7

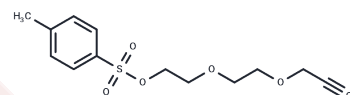
Formula: C₁₄H₁₈O₅S

Molecular Weight: 298.35

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	Tos-PEG2-O-Propargyl is a polyethylene glycol (PEG)-based proteolysis targeting chimera (PROTAC) linker, frequently used for synthesizing Thalidomide-O-PEG2-propargyl[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are compounds featuring two distinct ligands joined by a linker: one binds to an E3 ubiquitin ligase and the other to the target protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3518 mL	16.7588 mL	33.5177 mL
5 mM	0.6704 mL	3.3518 mL	6.7035 mL
10 mM	0.3352 mL	1.6759 mL	3.3518 mL
50 mM	0.067 mL	0.3352 mL	0.6704 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

Wurz RP, et al. A "Click Chemistry Platform" for the Rapid Synthesis of Bispecific Molecules for Inducing Protein Degradation. J Med Chem. 2018 Jan 25;61(2):453-461.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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