

Thalidomide-O-C5-azide

Chemical Properties

CAS No. : 2411098-96-7

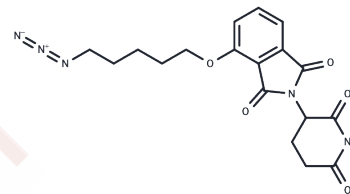
Formula: C₁₈H₁₉N₅O₅

Molecular Weight: 385.37

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	Thalidomide-O-C5-azide is a modified form of the cereblon (CRBN) inhibitor thalidomide, created through click chemistry. It contains an azide group, enabling it to undergo copper-catalyzed azide-alkyne cycloaddition reactions (CuAAC) with alkynyl-containing molecules. Thalidomide-O-C5-azide serves as a ligand and linker conjugate for E3 ubiquitin ligase, facilitating the synthesis of PROTACs.
Targets(IC50)	E3 Ligase Ligand-Linker Conjugates

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5949 mL	12.9745 mL	25.9491 mL
5 mM	0.519 mL	2.5949 mL	5.1898 mL
10 mM	0.2595 mL	1.2975 mL	2.5949 mL
50 mM	0.0519 mL	0.2595 mL	0.519 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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