

Lenalidomide 4'-alkyl-C3-azide

Chemical Properties

CAS No. : 2399455-71-9

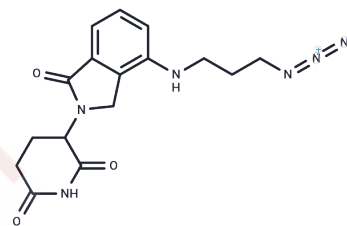
Formula: C₁₆H₁₈N₆O₃

Molecular Weight: 342.35

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	Lenalidomide 4'-alkyl-C3-azide (compound 4a), a chemically modified version of the orally active immunomodulator lenalidomide, is engineered for the synthesis of PROTACs. This compound, serving as a ligand for the ubiquitin E3 ligase cereblon (CRBN), integrates an Azide group, enabling it to participate in copper-catalyzed azide-alkyne cycloaddition reactions (CuAAC) with alkyne-bearing molecules. Additionally, it can undergo strain-promoted alkyne-azide cycloaddition reactions (SPAAC) with molecules containing DBCO or BCN groups [1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.921 mL	14.6049 mL	29.2099 mL
5 mM	0.5842 mL	2.921 mL	5.842 mL
10 mM	0.2921 mL	1.4605 mL	2.921 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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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