

Thalidomide-5-carbaldehyde

Chemical Properties

CAS No. : 1447701-63-4

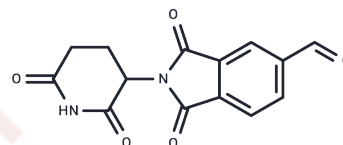
Formula: C₁₄H₁₀N₂O₅

Molecular Weight: 286.24

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-5-carbaldehyde is an aldehyde-containing analogue of Thalidomide. Thalidomide recruits E3 ligase for ubiquitination, leading to proteolysis of target proteins. The aldehyde group exhibits high reactivity towards amine nucleophiles through reactions such as reductive amination.
Targets(IC50)	Ligands for E3 Ligase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4936 mL	17.4679 mL	34.9357 mL
5 mM	0.6987 mL	3.4936 mL	6.9871 mL
10 mM	0.3494 mL	1.7468 mL	3.4936 mL
50 mM	0.0699 mL	0.3494 mL	0.6987 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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