

BTX161

Chemical Properties

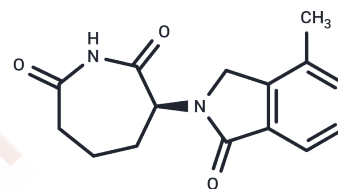
CAS No. : 2052301-24-1

Formula: C₁₅H₁₆N₂O₃

Molecular Weight: 272.3

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	BTX161 is a Thalidomide analogue. BTX161 is a potent CKI α degrader. In human AML cells, BTX161 mediates the CKI α degradation better than Lenalidomide as well as activates DNA damage response (DDR) and p53, and also stabilizes the p53 antagonist MDM2[1].
Targets(IC50)	Others,Casein Kinase
In vitro	BTX161 (25 μ M; 4 hours; MV4-11 cells) enhances the expression of Wnt targets such as MYC without altering MDM2 mRNA levels [1]. At a concentration of 10 μ M over 6 hours in MV4-11 cells, BTX161 independently increases p53 and MDM2 protein levels. When combined with THZ1, and especially with both THZ1 and CDK9, it further elevates p53 expression and maximizes caspase 3 activation [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6724 mL	18.3621 mL	36.7242 mL
5 mM	0.7345 mL	3.6724 mL	7.3448 mL
10 mM	0.3672 mL	1.8362 mL	3.6724 mL
50 mM	0.0734 mL	0.3672 mL	0.7345 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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