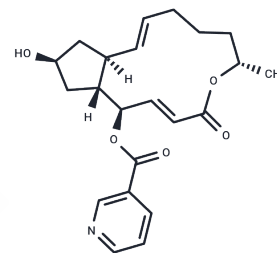


Brefeldin A 4-O-nicotinate

Chemical Properties

CAS No. :	3035018-34-6
Formula:	C ₂₂ H ₂₇ N ₀ O ₅
Molecular Weight:	385.453
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	Brefeldin A 4-O-nicotinate (CHNQD-01228) is a dual inhibitor of Arf1 and BMX proteins with an IC ₅₀ value of 0.22 μM for T24 cell proliferation. It also suppresses T24 cell migration and colony formation in a dose-dependent manner, induces G1 phase arrest, and triggers apoptosis. By targeting BMX proteins, it inhibits the AKT/p-AKT and STAT3/p-STAT3 signaling pathways, while also inhibiting Arf1 proteins to eliminate bladder cancer stem cells and activate antitumor immunity, thus exhibiting anticancer activity. Brefeldin A 4-O-nicotinate is applicable in research related to bladder cancer.
Targets(IC ₅₀)	BTK,GTPase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5944 mL	12.9719 mL	25.9437 mL
5 mM	0.5189 mL	2.5944 mL	5.1887 mL
10 mM	0.2594 mL	1.2972 mL	2.5944 mL
50 mM	0.0519 mL	0.2594 mL	0.5189 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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