

JMX0293

Chemical Properties

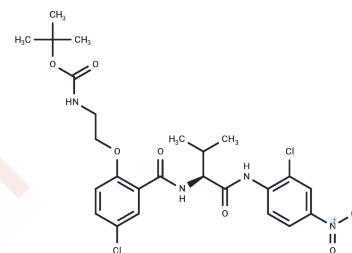
CAS No. :

Formula: C₂₅H₃₀Cl₂N₄O₇

Molecular Weight: 569.43

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	JMX0293, an O-alkylamino-tethered salicylamide derivative, demonstrates strong efficacy against the TNBC MDA-MB-231 cell line with an IC ₅₀ of 3.38 μM, while showing minimal toxicity towards the non-tumorigenic human breast epithelial cell line MCF-10A, where its IC ₅₀ exceeds 60 μM. It inhibits STAT3 phosphorylation, contributing to apoptosis in MDA-MB-231 cells, and significantly suppresses MDA-MB-231 xenograft tumor growth in vivo, all without notable toxicity.
Targets(IC ₅₀)	Apoptosis,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7561 mL	8.7807 mL	17.5614 mL
5 mM	0.3512 mL	1.7561 mL	3.5123 mL
10 mM	0.1756 mL	0.8781 mL	1.7561 mL
50 mM	0.0351 mL	0.1756 mL	0.3512 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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