

AKT-IN-18

Chemical Properties

CAS No. :

Formula: C₁₉H₁₄ClN₅O₂S

Molecular Weight: 411.86

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	AKT-IN-18, an Akt inhibitor, demonstrates an IC ₅₀ value of 69.45 μM in A549 cells, effectively impeding Akt activity. It promotes apoptosis and is suitable for use in non-small cell lung cancer research [1].
Targets(IC ₅₀)	Apoptosis,Akt
In vitro	AKT-IN-18 (Compound 3i) exhibited cytotoxic effects on A549 cells at concentrations of 0-500 μM after 24 hours of exposure, inducing apoptosis [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.428 mL	12.140 mL	24.2801 mL
5 mM	0.4856 mL	2.428 mL	4.856 mL
10 mM	0.2428 mL	1.214 mL	2.428 mL
50 mM	0.0486 mL	0.2428 mL	0.4856 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481