

Akt1-IN-1

Chemical Properties

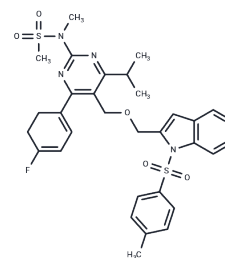
CAS No. :

Formula: C₃₁H₃₄FN₅O₅S₂

Molecular Weight: 639.76

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	Akt1-IN-1 is a potent and selective inhibitor of Akt1, demonstrating an IC ₅₀ of 18.79 nM in MIA PaCa-2 cells, indicating its high efficacy in inhibiting this specific kinase. Notably, it shows no significant teratogenicity, hepatotoxicity, or cardiotoxicity (No Observed Adverse Effect Level > 100 μM), making it a viable candidate for anticancer research.
Targets(IC ₅₀)	Others,Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5631 mL	7.8154 mL	15.6309 mL
5 mM	0.3126 mL	1.5631 mL	3.1262 mL
10 mM	0.1563 mL	0.7815 mL	1.5631 mL
50 mM	0.0313 mL	0.1563 mL	0.3126 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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