

AKT-IN-24

Chemical Properties

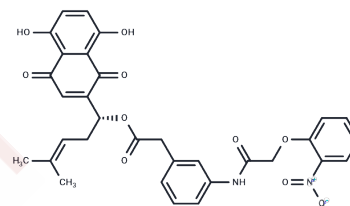
CAS No. :

Formula: C₃₂H₂₈N₂O₁₀

Molecular Weight: 600.572

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-24 (Compound M17) is an allosteric inhibitor of AKT exhibiting antitumor activity. In combination with Trametinib, it targets the AKT/mTOR and MEK/ERK signaling pathways while inhibiting epithelial-mesenchymal transition, resulting in a synergistic suppression effect on TNBC. This combination promotes apoptosis and inhibits cell proliferation and migration.
Targets(IC50)	Apoptosis,ERK,MEK,Akt,mTOR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6651 mL	8.3254 mL	16.6508 mL
5 mM	0.333 mL	1.6651 mL	3.3302 mL
10 mM	0.1665 mL	0.8325 mL	1.6651 mL
50 mM	0.0333 mL	0.1665 mL	0.333 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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