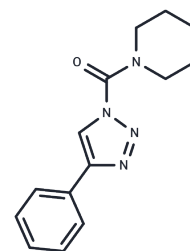


## AKT-IN-25

## Chemical Properties

CAS No. :	1619929-59-7
Formula:	C <sub>14</sub> H <sub>16</sub> N <sub>4</sub> O
Molecular Weight:	256.3
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-25 (Compound 14a) is an inhibitor of Akt that prevents the phosphorylation of Akt, thereby hindering the PI3K/Akt/mTOR signaling pathway. It arrests the cell cycle at the G1 phase, inhibits the migration of PANC-1 cells, and suppresses the proliferation of cancer cells PANC-1, PATU-T, and SUIT-2, with IC <sub>50</sub> values of 3.05, 1.32, and 3.85 μM, respectively.
Targets(IC <sub>50</sub> )	Akt

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9017 mL	19.5084 mL	39.0168 mL
5 mM	0.7803 mL	3.9017 mL	7.8034 mL
10 mM	0.3902 mL	1.9508 mL	3.9017 mL
50 mM	0.078 mL	0.3902 mL	0.7803 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481