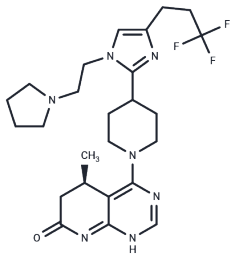
Data Sheet (Cat.No.T10274)

TargetMol

AKT-IN-2

Chemical Properties



CAS No. : 1295514-91-8

Formula: C25H34F3N7O

Molecular Weight: 505.58

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-2 is a selective, and orally bioavailable AKT inhibitor (IC50: 5 nM for AKT1).
Targets(IC50)	Akt
In vitro	AKT-IN-2 (Compound 8) inhibits P70S6K (IC50: 0.399 μM), PKA (IC50: 0.084 μM), PKCβ2 (IC50: 3.98 μM), RSK1 (IC50: 0.568 μM), and pGSK3β (IC50: 0.092 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9779 mL	9.8896 mL	19.7793 mL
5 mM	0.3956 mL	1.9779 mL	3.9559 mL
10 mM	0.1978 mL	0.989 mL	1.9779 mL
50 mM	0.0396 mL	0.1978 mL	0.3956 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.

Reference

Parthasarathy S, et al. Discovery of chiral dihydropyridopyrimidinones as potent, selective and orally bioavailable inhibitors of AKT. Bioorg Med Chem Lett. 2018 Jun 1;28(10):1887-1891.

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