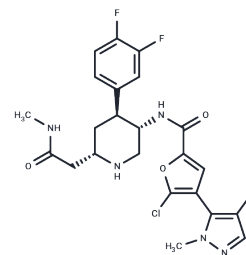


AKT-IN-3

Chemical Properties

CAS No. :	2374740-21-1
Formula:	C ₂₃ H ₂₃ Cl ₂ F ₂ N ₅ O ₃
Molecular Weight:	526.36
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-3 is a potent, orally active low hERG blocking Akt inhibitor (IC ₅₀ : 1.4 nM, 1.2 nM, and 1.7 nM for Akt1, Akt2, and Akt3). AKT-IN-3 (compound E22) also exhibits good inhibitory activity against other AGC family kinases, such as PKA, PKC, ROCK1, RSK1, P70S6K, and SGK.
Targets(IC ₅₀)	Apoptosis,Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8998 mL	9.4992 mL	18.9984 mL
5 mM	0.380 mL	1.8998 mL	3.7997 mL
10 mM	0.190 mL	0.9499 mL	1.8998 mL
50 mM	0.038 mL	0.190 mL	0.380 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

Dong X, et al. Discovery of 3,4,6-Trisubstituted Piperidine Derivatives as Orally Active, Low hERG Blocking Akt Inhibitors via Conformational Restriction and Structure-Based Design. *J Med Chem.* 2019 Aug 8;62(15):7264-7288.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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