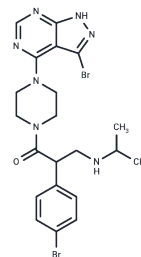


Akt1-IN-8

Chemical Properties

CAS No. :	2247688-87-3
Formula:	C ₂₁ H ₂₅ Br ₂ N ₇ O
Molecular Weight:	551.278
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-8 (Compound JL18) is a potent AKT1 kinase inhibitor with oral bioavailability of 41% and an IC ₅₀ value of 8.8 nM. It exhibits significant antiproliferative effects against PC-3 prostate cancer cells, with an IC ₅₀ of 3.0 μM. Akt1-IN-8 also reduces phosphorylated GSK3β levels.
Targets(IC ₅₀)	Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.814 mL	9.0698 mL	18.1396 mL
5 mM	0.3628 mL	1.814 mL	3.6279 mL
10 mM	0.1814 mL	0.907 mL	1.814 mL
50 mM	0.0363 mL	0.1814 mL	0.3628 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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