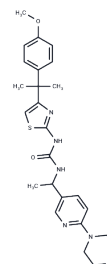


ALPK1-IN-1

Chemical Properties

CAS No. :	2765457-72-3
Formula:	C ₂₅ H ₃₂ N ₆ O ₂ S
Molecular Weight:	480.63
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	ALPK1-IN-1 (Compound A001) is a potent inhibitor of alpha-kinase 1 (ALPK1), an intracytoplasmic serine/threonine protein kinase involved in the TIFA-dependent pro-inflammatory NF-κB signalling pathway, which activates the innate immune response to bacteria by interacting with TRAF proteins of the forkhead-associated structural domain.
Targets(IC50)	Others,NF-κB

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0806 mL	10.403 mL	20.806 mL
5 mM	0.4161 mL	2.0806 mL	4.1612 mL
10 mM	0.2081 mL	1.0403 mL	2.0806 mL
50 mM	0.0416 mL	0.2081 mL	0.4161 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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