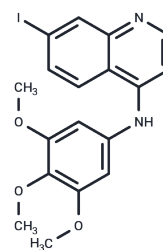


PKN3-IN-1

Chemical Properties

CAS No. : 2361545-75-5
 Formula: C₁₈H₁₇IN₂O₃
 Molecular Weight: 436.244
 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	PKN3-IN-1 (compound 16) inhibits PKN3 (serine/threonine-protein kinase N3) and GAK (cyclin G-associated kinase) with an IC ₅₀ of 0.014 μM and a K _i of 0.0044 μM. PKN3-IN-1 is a potential tool compound for investigating the cell biology of PKN3 and its role in pancreatic and prostate cancers, as well as T-cell acute lymphoblastic leukemia.
Targets(IC ₅₀)	PI3K
In vitro	PKN3-IN-1, at a concentration of 1 μM over 48 hours, inhibits PKN3 in HEK 293 cells with an IC ₅₀ of 0.014 μM [1]. Additionally, PKN3-IN-1, at 1 μM over 24 hours, inhibits GAK with a K _i of 0.0044 μM in the same cell line [2]. At 1.3 μM, PKN3-IN-1 demonstrates intracellular target-binding capability below 5 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2923 mL	11.4616 mL	22.9232 mL
5 mM	0.4585 mL	2.2923 mL	4.5846 mL
10 mM	0.2292 mL	1.1462 mL	2.2923 mL
50 mM	0.0458 mL	0.2292 mL	0.4585 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

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