

PknB-IN-1

Chemical Properties

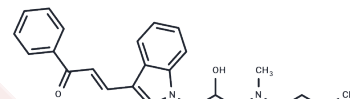
CAS No. : 1447917-39-6

Formula: C₂₅H₃₀N₂O₂

Molecular Weight: 390.52

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	PknB-IN-1 (Compound 2) is an inhibitor of protein kinase B (PknB) with an IC ₅₀ of 14.4 μM, demonstrating anti-mycobacterial activity by effectively suppressing the growth of <i>M. tuberculosis</i> H37Rv strain, with an MIC of 6.2 μg/mL [1].
Targets(IC ₅₀)	Others,Antibacterial
In vitro	PknB-IN-1, within a concentration range of 0-100 μM and over a 60-minute incubation period, effectively inhibits the activity of <i>M. tuberculosis</i> PknB, as demonstrated in a Cell Viability Assay. The assay, conducted on an <i>M. tuberculosis</i> cell line under the specified conditions, showed PknB inhibition with an IC ₅₀ value of 7.3 μM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5607 mL	12.8034 mL	25.6069 mL
5 mM	0.5121 mL	2.5607 mL	5.1214 mL
10 mM	0.2561 mL	1.2803 mL	2.5607 mL
50 mM	0.0512 mL	0.2561 mL	0.5121 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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