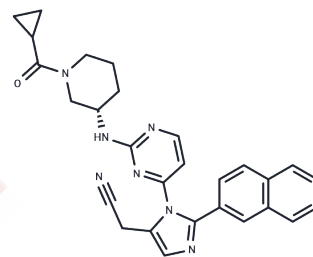


JNK3 inhibitor-4

Chemical Properties

CAS No. :	2409109-65-3
Formula:	C ₂₈ H ₂₇ N ₇ O
Molecular Weight:	477.56
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	JNK3 Inhibitor-4, a potent 2-aryl-1-pyrimidinyl-1H-imidazole-5-yl acetonitrile derivative, demonstrates a strong inhibitory effect on JNK3 with an IC ₅₀ value of 1.0 nM. It exhibits exceptional selectivity against JNK3 when compared to other protein kinases, including isoforms JNK1 (IC ₅₀ = 143.9 nM) and JNK2 (IC ₅₀ = 298.2 nM). Additionally, JNK3 Inhibitor-4 benefits from neuroprotective properties and is predicted to permeate the blood-brain barrier effectively.
Targets(IC ₅₀)	Others,JNK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.094 mL	10.4699 mL	20.9398 mL
5 mM	0.4188 mL	2.094 mL	4.188 mL
10 mM	0.2094 mL	1.047 mL	2.094 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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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