

JNK3 inhibitor-9

Chemical Properties

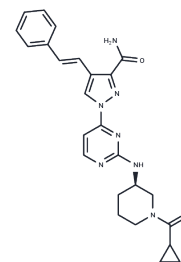
CAS No. :

Formula: C₂₅H₂₇N₇O₂

Molecular Weight: 457.528

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	JNK3inhibitor-9 (Compound 24a) is a potent, selective JNK3 inhibitor capable of crossing the blood-brain barrier (BBB), demonstrating an IC ₅₀ value of 12 nM. It effectively inhibits GSK3α/β, which is involved in Tau phosphorylation, with IC ₅₀ values of 14 nM and 35 nM, respectively. JNK3inhibitor-9 also reduces the phosphorylation of c-Jun and APP and protects neurons from Aβ ₁₋₄₂ toxicity.
Targets(IC ₅₀)	Beta Amyloid,GSK-3,JNK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1856 mL	10.9282 mL	21.8565 mL
5 mM	0.4371 mL	2.1856 mL	4.3713 mL
10 mM	0.2186 mL	1.0928 mL	2.1856 mL
50 mM	0.0437 mL	0.2186 mL	0.4371 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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