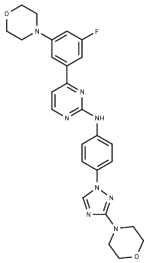
Data Sheet (Cat.No.T207823)

TargetMol

2-PyriMidinaMine, 4-[3-fluoro-5-(4-Morpholinyl)phenyl

Chemical Properties



CAS No. : 1128096-64-9

Formula: C26H27FN8O2

Molecular Weight: 502.54

Storage: Store at low temperature
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	2-Pyridinamine, 4-[3-fluoro-5-(4-morpholinyl)phenyl] (Compound 9l) is an ATP-competitive JNK (c-Jun N-terminal kinase) inhibitor with IC_{50} values of 0.099 μM and 0.148 μM for JNK1 and JNK3 respectively, exhibiting the advantage of blood-brain barrier penetration. 2-Pyridinamine, 4-[3-fluoro-5-(4-morpholinyl)phenyl] inhibits c-Jun phosphorylation and reactive oxygen species (ROS) generation, making it suitable for neurodegenerative disease research.
Targets(IC50)	JNK,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9899 mL	9.9495 mL	19.8989 mL
5 mM	0.398 mL	1.9899 mL	3.9798 mL
10 mM	0.199 mL	0.9949 mL	1.9899 mL
50 mM	0.0398 mL	0.199 mL	0.398 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.

Reference

Kamenecka T, et al. Synthesis, biological evaluation, X-ray structure, and pharmacokinetics of aminopyrimidine c-jun-N-terminal kinase (JNK) inhibitors. J Med Chem. 2010 Jan 14;53(1):419-31.

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