

A09-003

Chemical Properties

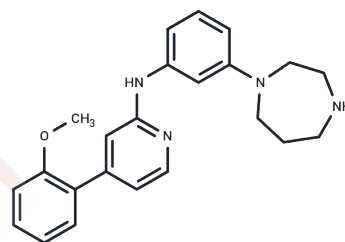
CAS No. : 2911646-14-3

Formula: C₂₃H₂₆N₄O

Molecular Weight: 374.48

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	A09-003 is a novel cell cycle protein-dependent kinase-9 CDK-9 inhibitor. A09-003 inhibits the proliferation of a variety of leukemia cell lines and inhibits the increase of leukemia sequence-1 protein in myeloid cells. A09-003 also induces apoptosis, decreases RNA polymerase II activity, and decreases Mcl-1 expression.
Targets(IC50)	Apoptosis, Bcl-2 Family, CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6704 mL	13.3518 mL	26.7037 mL
5 mM	0.5341 mL	2.6704 mL	5.3407 mL
10 mM	0.267 mL	1.3352 mL	2.6704 mL
50 mM	0.0534 mL	0.267 mL	0.5341 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

Sim KM, et al. A new cyclin-dependent kinase-9 inhibitor A09-003 induces apoptosis in acute myeloid leukemia cells with reduction of myeloid cell leukemia sequence-1 protein. Chem Biol Interact. 2023 Sep 1;382:110554.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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