

Menin-MLL inhibitor-25

Chemical Properties

CAS No. :

Formula: C₂₈H₂₈FN₇

Molecular Weight:

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	Menin-MLL inhibitor-25 (compound A6) is a potent inhibitor of the Menin-MLL interaction, with an IC ₅₀ of 0.38 μM. It exhibits antiproliferative activity, induces apoptosis and G ₀ /G ₁ cell cycle arrest, and can reverse differentiation arrest.
Targets(IC ₅₀)	Apoptosis,Epigenetic Reader Domain
In vitro	Menin-MLL inhibitor-25 (compound A6) exhibits antiproliferative activity with IC ₅₀ values of 1.07 μM for MV4-11 cells, greater than 10 μM for HL-60 cells, and 6.7 μM for SU-DHL-6 cells. Additionally, Menin-MLL inhibitor-25 (0.1, 1, 10 μM; 24 h) induces apoptosis and causes cell cycle arrest at the G ₀ /G ₁ phase in MV4-11 cells. Furthermore, Menin-MLL inhibitor-25 (0.1, 0.5 μM; 24, 48 h) reduces HOXA9 and MEIS1 gene expression in a time- and dose-dependent manner.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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