

CDK9-IN-37

Chemical Properties

CAS No. :

Formula: C₂₀H₁₉FN₂O₄S₂

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	CDK9-IN-37 (Compound 24) is a CDK9 inhibitor with high selectivity, demonstrating an EC ₅₀ of 5.5 nM and minimal inhibition of other CDK subtypes. It shows significant antiproliferative activity against acute myeloid leukemia cells MOLM-13, with an IC ₅₀ of 0.034 μM. CDK9-IN-37 suppresses CDK9 signaling, reducing RNAP II CTD (Ser2) phosphorylation, downregulating the anti-apoptotic protein Mcl-1, inducing apoptosis, and causing cell cycle arrest at the G ₂ /M phase. This compound is applicable in the research of acute myeloid leukemia (AML).
Targets(IC ₅₀)	CDK

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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