

CDK2/MDM2-IN-1

Chemical Properties

CAS No. :

Formula: C₂₆H₃₃N₅O₄

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	CDK2/MDM2-IN-1 (III-13) is a dual inhibitor targeting both CDK2 and MDM2, exhibiting an IC ₅₀ value of 2.60 nM against CDK2, and demonstrating antitumor activity.
Targets(IC ₅₀)	CDK,MDM-2/p53
In vitro	CDK2/MDM2-IN-1 (100, 200 nM, 4 h) inhibits tumor cell proliferation via the CDK2/p-Rb and MDM2/p53 pathways.
In vivo	Administered intraperitoneally at doses of 25 or 50 mg/kg for 14 consecutive days, CDK2/MDM2-IN-1 significantly inhibits the proliferation of colon tumor cells in mice without affecting their body weight.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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