

CDK2-IN-41

Chemical Properties

CAS No. :

Formula: C19H21N3S

Molecular Weight: 323.46

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-IN-41 (Compound 7a) is a CDK2 inhibitor that impedes the cell cycle by binding to CDK2, leading to cytotoxicity, increased ROS production, and apoptosis (Apoptosis). It exhibits anticancer activity with an IC50 of 10 µM against acute myeloid leukemia (AML) HL-60 cells. CDK2-IN-41 is applicable in research related to AML-associated cancers.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, CDK, ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0916 mL	15.4579 mL	30.9157 mL
5 mM	0.6183 mL	3.0916 mL	6.1831 mL
10 mM	0.3092 mL	1.5458 mL	3.0916 mL
50 mM	0.0618 mL	0.3092 mL	0.6183 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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