

BRD6257

Chemical Properties

CAS No. :

Formula: C₂₄H₂₂F₄N₆O₃S

Molecular Weight: 550.53

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	BRD6257 is an orally active inhibitor of protein phosphatase 1D (proteinphosphatase, Mg ²⁺ /Mn ²⁺ dependent 1D, PPM1D) with an IC ₅₀ of 5 nM. It activates the p53 signaling pathway (EC ₅₀ of 51 nM), enhances p21 expression, and inhibits the proliferation of cancer cells MOLM13 (IC ₅₀ = 2.8 μM). BRD6257 demonstrates good metabolic stability in human and rat liver microsomes.
Targets(IC ₅₀)	Phosphatase,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8164 mL	9.0822 mL	18.1643 mL
5 mM	0.3633 mL	1.8164 mL	3.6329 mL
10 mM	0.1816 mL	0.9082 mL	1.8164 mL
50 mM	0.0363 mL	0.1816 mL	0.3633 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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