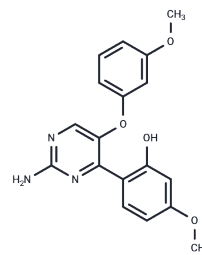


APD-94

Chemical Properties

CAS No. : 877810-03-2
 Formula: C₁₈H₁₇N₃O₄
 Molecular Weight: 339.345
 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	APD-94 is a dual inhibitor targeting tubulin and Bmi-1. It disrupts the normal polymerization of tubulin and suppresses the expression of Bmi-1. This compound induces cell cycle arrest at the G2/M phase and triggers apoptosis, thereby inhibiting cancer cell proliferation. Additionally, APD-94 inhibits the growth of HT29 cell xenograft tumors in NOD/SCID mice and is applicable to colorectal cancer research.
Targets(IC50)	Apoptosis,BMI-1,Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9468 mL	14.7341 mL	29.4681 mL
5 mM	0.5894 mL	2.9468 mL	5.8936 mL
10 mM	0.2947 mL	1.4734 mL	2.9468 mL
50 mM	0.0589 mL	0.2947 mL	0.5894 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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