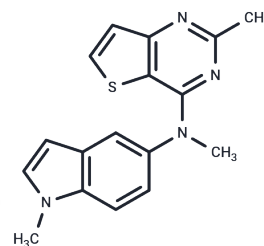


DPP-21

Chemical Properties

CAS No. : 2924883-83-8
 Formula: C17H16N4S
 Molecular Weight: 308.40
 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	DPP-21 is an inhibitor of microtubule protein polymerization (IC ₅₀ : 2.4 μM). It exhibits antiproliferative activity against various cancer cell lines, with IC ₅₀ values of 0.38 nM (HCT116), 11.69 nM (B16), 5.37 nM (HeLa), 9.53 nM (MCF7), 8.94 nM (H23), and 9.37 nM (HepG2). DPP-21 induces cell cycle arrest at the G2/M phase of mitosis and subsequently triggers apoptosis in tumor cells by decreasing Bcl-2 while increasing pro-apoptotic protein Bax levels.
Targets(IC ₅₀)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2425 mL	16.2127 mL	32.4254 mL
5 mM	0.6485 mL	3.2425 mL	6.4851 mL
10 mM	0.3243 mL	1.6213 mL	3.2425 mL
50 mM	0.0649 mL	0.3243 mL	0.6485 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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