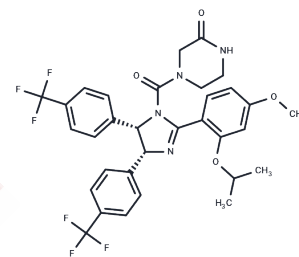


Caylin-2

Chemical Properties

CAS No. :	1392830-09-9
Formula:	C32H30F6N4O4
Molecular Weight:	648.6
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	Nutlin-3 is an activator of p53 that functions by inhibiting the interaction of p53 with MDM2, a negative regulator of p53 activity. Caylin-2 is a nutlin-3 analog in which trifluoromethyl groups have been substituted for chlorine on the 2 phenyl rings. At high concentrations, caylin-2 inhibits the growth of HCT116 cells with an IC50 of approximately 8 μ M, making it about 10-fold less potent than nutlin-3. Interestingly, at concentrations between 5-100 nM, caylin-2 promotes the growth of HCT116 cells approximately 40% compared to untreated cells. The mechanism of the growth promoting properties of caylin-2 have not yet been elucidated.
Targets(IC50)	Others,MDM-2/p53

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5418 mL	7.7089 mL	15.4178 mL
5 mM	0.3084 mL	1.5418 mL	3.0836 mL
10 mM	0.1542 mL	0.7709 mL	1.5418 mL
50 mM	0.0308 mL	0.1542 mL	0.3084 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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