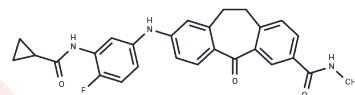


p38 α inhibitor 9

Chemical Properties

CAS No. :	2133007-20-0
Formula:	C27H24FN3O3
Molecular Weight:	457.496
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	p38 α inhibitor9 (Compound 2015) is a p38 α inhibitor that effectively blocks the enzyme activity of p38 α , with an IC ₅₀ of less than 20 nM. It inhibits MK2T334 phosphorylation and activates Cdc25b and Cdc25c while inactivating Wee1, leading to mitotic catastrophe, aneuploidy or polyploidy, and DNA damage. Additionally, p38 α inhibitor9 can suppress colorectal cancer (CRC) metastasis.
Targets(IC50)	MAPK,CDK,p38 MAPK,Wee1
In vivo	sp38 α inhibitor 9 (20 mg/kg, p.o.) demonstrated high plasma concentration (C max = 20.7 μ M) and favorable stability (t 1/2 =161min) in mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1858 mL	10.929 mL	21.8579 mL
5 mM	0.4372 mL	2.1858 mL	4.3716 mL
10 mM	0.2186 mL	1.0929 mL	2.1858 mL
50 mM	0.0437 mL	0.2186 mL	0.4372 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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