GDC-0339

Cat. No.:	HY-16976		
CAS No.:	1428569-85	-0	
Molecular Formula:	C ₂₀ H ₂₂ F ₃ N ₇ C	S	
Molecular Weight:	465.5		
Target:	Pim		
Pathway:	JAK/STAT S	Signaling	
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

SOLVENT & SOLUBILITY

In Vitro

* "≥" means soluble, but saturation unknown.

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1482 mL	10.7411 mL	21.4823 mL
Stock Solutions	5 mM	0.4296 mL	2.1482 mL	4.2965 mL
	10 mM	0.2148 mL	1.0741 mL	2.1482 mL
Please refer to the sc	blubility information to select the a	appropriate solvent.		

DIOLOGICAL ACTIV			
Description	GDC-0339 is a potent, orally b for Pim1, Pim2 and Pim3, resp	ioavailable and well tolerated par pectively. GDC-0339 is discovered	n-Pim kinase inhibitor, with K _i s of 0.03 nM, 0.1 nM and 0.02 nM as a potential treatment of multiple myeloma ^{[1][2]} .
IC ₅₀ & Target	PIM1	PIM2	PIM3
In Vitro	GDC-0339 is cytostatic, with a GDC-0339 treatment reveals a MCE has not independently co Cell Viability Assay ^[2] Cell Line:	nn IC ₅₀ of 0.1 μM for MM.1S cells ^[2] a constellation of Pim downstrear onfirmed the accuracy of these m MM.1S cells	n signaling events consistent with inhibition of Pim kinases ^[2] . ethods. They are for reference only.
	Concentration:		

Product Data Sheet

S

∛ HN NH₂

NH₂



		3 days
	Result:	Inhibited cell viability.
	Western Blot Analysis ^[2]	
	Cell Line:	MM.1S cells
	Concentration:	0.01 μΜ, 0.03 μΜ, 0.09 μΜ,0.27 μΜ, 0.83 μΜ, 2.5 μΜ
	Incubation Time:	4 hours
	Result:	Induced a constellation of Pim downstream signaling events consistent with inhibition o Pim kinases.
Vivo	GDC-0339 (1-300 mg/kg; mouse models ^[2] . GDC-0339 has a half-life MCE has not independer	; p.o; daily; for 21 days) is efficacious in RPMI8226 and MM.1S human multiple myeloma xenograf of t1/2=0.9 h ^[2] . ntly confirmed the accuracy of these methods. They are for reference only.
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CUSTOMER VALIDATION

• Cell Chem Biol. 2021 Sep 8;S2451-9456(21)00400-1.

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REFERENCES

[1]. Takahashi RH, et al. CYP1A1-Mediated Intramolecular Rearrangement of Aminoazepane in GDC-0339. Drug Metab Dispos. 2017 Oct;45(10):1084-1092.

[2]. Wang X, et al. Optimization of Pan-Pim Kinase Activity and Oral Bioavailability Leading to Diaminopyrazole (GDC-0339) for the Treatment of Multiple Myeloma. J Med Chem. 2019 Feb 28;62(4):2140-2153.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA