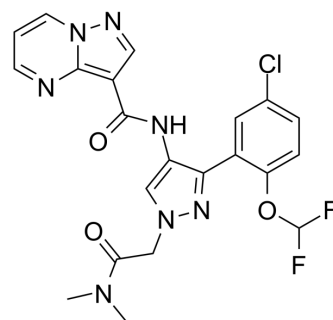


GDC-4379

Cat. No.:	HY-139837		
CAS No.:	2252277-73-7		
Molecular Formula:	C ₂₁ H ₁₈ ClF ₂ N ₇ O ₃		
Molecular Weight:	489.86		
Target:	JAK		
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 31.25 mg/mL (63.79 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.0414 mL	10.2070 mL	20.4140 mL
	5 mM	0.4083 mL	2.0414 mL	4.0828 mL
	10 mM	0.2041 mL	1.0207 mL	2.0414 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.13 mg/mL (6.39 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	GDC-4379 is a JAK1 inhibitor that can be used for the research of asthma ^[1] .
IC₅₀ & Target	JAK1 ^[1]

REFERENCES

[1]. Stumpf A, et, al. Efficient, Protecting Group Free Kilogram-Scale Synthesis of the JAK1 Inhibitor GDC-4379. Org. Process Res. Dev. 2021, 25, 11, 2537-2550.

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

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