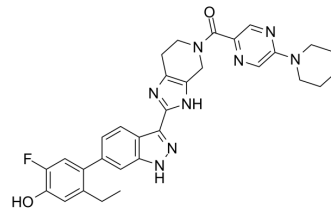


PF-06263276

Cat. No.:	HY-101024		
CAS No.:	1421502-62-6		
Molecular Formula:	C ₃₁ H ₃₁ FN ₈ O ₂		
Molecular Weight:	566.63		
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 : 33.33 mg/mL (58.82 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7648 mL	8.8241 mL	17.6482 mL
	5 mM	0.3530 mL	1.7648 mL	3.5296 mL
	10 mM	0.1765 mL	0.8824 mL	1.7648 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PF-06263276 (PF 6263276) is a potent and selective pan-JAK inhibitor, with IC₅₀s of 2.2 nM, 23.1 nM, 59.9 nM and 29.7 nM for JAK1, JAK2, JAK3 and TYK2, respectively^[1].

IC₅₀ & Target

JAK1	JAK2	JAK3	Tyk2
2.2 nM (IC ₅₀)	23.1 nM (IC ₅₀)	59.9 nM (IC ₅₀)	29.7 nM (IC ₅₀)

REFERENCES

[1]. Jones P, et al. Design and Synthesis of a Pan-Janus Kinase Inhibitor Clinical Candidate (PF-06263276) Suitable for Inhaled and Topical Delivery for the Treatment of Inflammatory Diseases of the Lungs and Skin. J Med Chem. 2017 Jan 26;60(2):767-786.

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

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