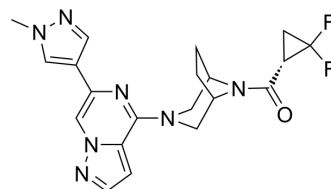


JAK-IN-27

Cat. No.:	HY-153702
CAS No.:	2673176-36-6
Molecular Formula:	C ₂₀ H ₂₁ F ₂ N ₇ O
Molecular Weight:	413.42
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JAK-IN-27 (compound 1) is an orally active and potent JAKS family kinase inhibitor with IC ₅₀ s of 3.0 nM (TYK2), 7.7 nM (JAK1), 629.6 nM (JAK3), respectively. JAK-IN-27 inhibits IFN- α 2B-induced phosphorylation of STAT3 in Jurkat cells (IC ₅₀ =23.7 nM) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 3.0 nM (TYK2)∩7.7 nM (JAK1)∩629.6 nM (JAK3)

REFERENCES

[1]. Zhang P, et al. Preparation of pyrazolo[1,5-a]pyrazine derivatives and its use as JAK family kinase inhibitors. China, CN113150012 A. 2021-07-23.

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

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