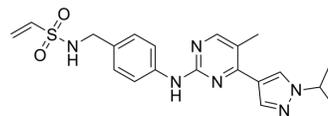


JAK2-IN-9

Cat. No.:	HY-155746
CAS No.:	2568842-26-0
Molecular Formula:	C ₂₀ H ₂₄ N ₆ O ₂ S
Molecular Weight:	412.51
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	JAK2-IN-9 (Compound A8) is a selective JAK2 inhibitor (IC ₅₀ : 5 nM). JAK2-IN-9 inhibits the phosphorylation of JAK2, STAT3, and STAT5. JAK2-IN-9 has metabolic stabilities. JAK2-IN-9 induces apoptosis. JAK2-IN-9 can be used for research of myeloproliferative neoplasms (MPNs) ^[1] .
IC ₅₀ & Target	JAK2

REFERENCES

[1]. Tian Y, et al Discovery of N-(4-(Aminomethyl)phenyl)-5-methylpyrimidin-2-amine Derivatives as Potent and Selective JAK2 Inhibitors. ACS Med Chem Lett. 2023 Aug 1;14(8):1113-1121.

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

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