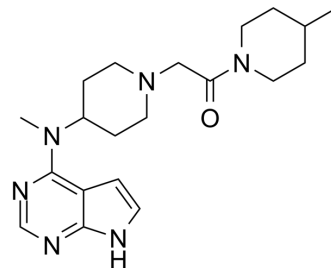


JAK1-IN-14

Cat. No.:	HY-161139
Molecular Formula:	C ₂₀ H ₃₀ N ₆ O
Molecular Weight:	370.49
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	JAK1-IN-14 (Compound 12a) is a potent and selective JAK1 inhibitor. JAK1-IN-14 inhibits JAK1 and JAK2 with an IC ₅₀ value of 12.6 nM and 135 nM. JAK1-IN-14 suppresses hepatic fibrosis levels and can be used for the research of liver fibrosis and inflammatory diseases ^[1] .	
IC ₅₀ & Target	JAK1 12.6 nM (IC ₅₀)	JAK2 135 nM (IC ₅₀)

REFERENCES

[1]. Zhang J, et al. Structure-guided design of potent JAK1-selective inhibitors based on 4-amino-7H-pyrrolo[2,3-d]pyrimidine with anti-inflammatory efficacy. Arch Pharm (Weinheim). 2024 Jan 7:e2300591.

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

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