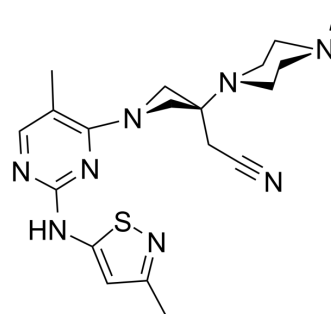


JAK-IN-30

Cat. No.:	HY-154994
CAS No.:	2891469-99-9
Molecular Formula:	C ₁₉ H ₂₆ N ₈ S
Molecular Weight:	398.53
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-30 (compound 31) is a water-soluble JAK inhibitor with IC ₅₀ values of 2, 15, 18 and 2 nM for JAK2, JAK1, JAK3 and TYK2, respectively. JAK-IN-30 has research potential for dry eye disease (DED) ^[1] .			
IC₅₀ & Target	JAK1 15 nM (IC ₅₀)	JAK2 2 nM (IC ₅₀)	JAK3 18 nM (IC ₅₀)	Tyk2 2 nM (IC ₅₀)

REFERENCES

[1]. Gordhan HM, et al. Eyes on Topical Ocular Disposition: The Considered Design of a Lead Janus Kinase (JAK) Inhibitor That Utilizes a Unique Azetidin-3-Amino Bridging Scaffold to Attenuate Off-Target Kinase Activity, While Driving Potency and Aqueous Solubility. *J Med Chem.* 2023 Jul 13;66(13):8929-8950.

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

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