

Product Datasheet

NDI-034858

Catalog No. **BP-01998** · CAS **2272904-53-5** · Form **free base** · Physical state **solid** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-10**

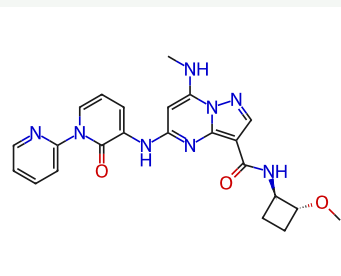
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Target JAK	Research area Inflammation/Immunology
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Molecular formula **C₂₃H₂₄N₈O₃**

Molecular weight **460.4885**

STRUCTURE



DESCRIPTION

NDI-034858 is a TYK2 inhibitor, target TYK2 JH2 domain with binding constant K_d of <200 pM.

BIOLOGICAL ACTIVITY

Zasocitinib (10 μM) exhibits inhibitory effect on Tyk2 and JAK by targeting Tyk2 JH1 and JAK JH1 domain with inhibition rates <50%, respectively. Zasocitinib inhibits phosphorylation induction of heterodimer complex Tyk2/JAK2-mediated IL-12 (1.7 ng/mL) effect, with IC₅₀ value of <0.1 μM in human peripheral blood mononuclear cell.

SOLUBILITY

Soluble in DMSO : 50 mg/mL

REFERENCES

- [1]. Leit, Silvana et al. "Discovery of a Potent and Selective Tyrosine Kinase 2 Inhibitor: TAK-279." Journal of medicinal chemistry vol. 66,15 (2023): 10473-10496.
- [2]. Masse, Craig E, et al. Pyrazolopyrimidines as TYK2 inhibitors and their preparation: World Intellectual Property Organization, WO2019023468. 2019-01-31.

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