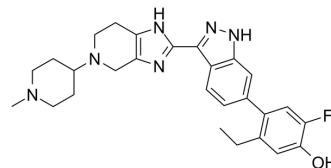


## JAK-IN-5

Cat. No.:	HY-111471
CAS No.:	2096999-92-5
Molecular Formula:	C <sub>27</sub> H <sub>31</sub> FN <sub>6</sub> O
Molecular Weight:	474.57
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	JAK-IN-5 is an inhibitor of JAK extracted from patent US20170121327A1, compound example 283.
IC <sub>50</sub> & Target	JAK <sup>[1]</sup>
In Vivo	<p>JAK-IN-5 (compound 1) (oral aspirate, 0.5 mg/mL, 50 μL) inhibits STAT6 phosphorylation by 60% in IL-13-induced in lung tissue in a mouse model of pSTAT6 induction<sup>[2]</sup>.</p> <p>JAK-IN-5 (compound 1) (oral aspirate, 0.1-1.0 mg/mL, 50 μL) inhibits 88% of BALF eosinophils in male C57 mice model of <i>Alternaria alternata</i>-induced eosinophilic inflammation of the lung<sup>[2]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [1]. Venkat R, et al. Methods of treatment using a jak inhibitor compound. US20180311226.
- [2]. Paul R. Fatheree, et al. JAK Kinase Inhibitor Compounds for Treatment of Respiratory Disease. US20170121327A1

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

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