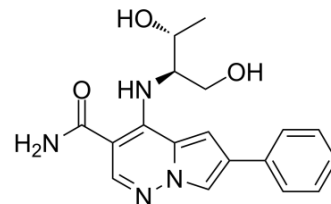


## JAK-IN-3

Cat. No.:	HY-111750
CAS No.:	1400876-94-9
Molecular Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	340.38
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

<b>Description</b>	JAK-IN-3 (compound 22) is a potent JAK inhibitor, with IC <sub>50</sub> values of 3 nM, 5 nM, 34 nM and 70 nM for JAK3, JAK1, TYK2 and JAK2, respectively <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	JAK3 3 nM (IC <sub>50</sub> )	JAK1 5 nM (IC <sub>50</sub> )	Tyk2 34 nM (IC <sub>50</sub> )	JAK2 70 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Spergel SH, et al. Discovery of a JAK1/3 Inhibitor and Use of a Prodrug To Demonstrate Efficacy in a Model of Rheumatoid Arthritis. ACS Med Chem Lett. 2019 Feb 13;10(3):306-311.

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

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