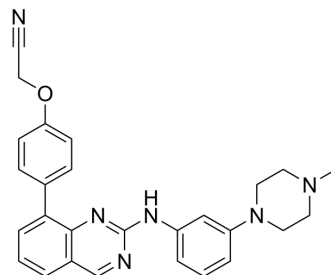


## JAK-IN-34

Cat. No.:	HY-157121
CAS No.:	2068766-90-3
Molecular Formula:	C <sub>27</sub> H <sub>26</sub> N <sub>6</sub> O
Molecular Weight:	450.53
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

<b>Description</b>	JAK-IN-34 (compound 11n) is a potent against of JAKs with IC <sub>50</sub> values of 0.40, 0.83, 2.10, 1.95 nM target JAK1, JAK2, JAK3, TYK2, respectively. JAK-IN-34 reduces joint swelling with good safety <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	JAK1 0.40 nM (IC <sub>50</sub> )	JAK2 0.83 nM (IC <sub>50</sub> )	JAK3 2.10 nM (IC <sub>50</sub> )	Tyk2 1.95 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Jinbao Xiang, et al. Design, synthesis, and pharmacological evaluation of quinazoline derivatives as novel and potent pan-JAK inhibitors. Bioorg Chem. 2023.

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

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