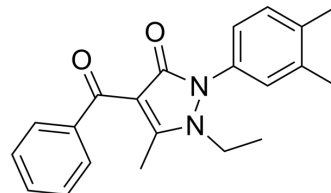


## TK4b

Cat. No.:	HY-151259
CAS No.:	2232890-81-0
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	334.41
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	TK4b is a Janus kinase (JAK) inhibitor with the IC <sub>50</sub> values of 19.40 nM and 18.42 nM for JAK2 and JAK3, respectively. TK4b can be used in lymphoid-derived diseases and leukemia cancer research <sup>[1]</sup> .	
IC <sub>50</sub> & Target	JAK2 19.40 nM (IC <sub>50</sub> )	JAK3 18.42 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Kamonpan Sanachai, et al. Pharmacophore-Based Virtual Screening and Experimental Validation of Pyrazolone-Derived Inhibitors toward Janus Kinases. ACS Omega 2022.

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

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