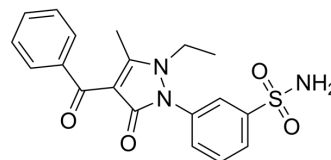


## TK4g

Cat. No.:	HY-151258
CAS No.:	2232890-86-5
Molecular Formula:	C <sub>19</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	385.44
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	TK4g is a Janus kinase (JAK) inhibitor with the IC <sub>50</sub> values of 12.61 nM and 15.80 nM for JAK2 and JAK3, respectively. TK4g can be used in lymphoid-derived diseases and leukemia cancer research <sup>[1]</sup> .	
IC <sub>50</sub> & Target	JAK2 12.61 nM (IC <sub>50</sub> )	JAK3 15.80 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA