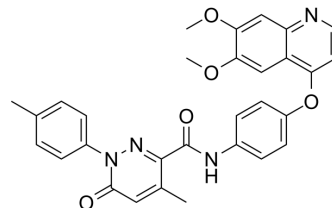


## JNK2-IN-1

Cat. No.:	HY-149485
CAS No.:	2998941-15-2
Molecular Formula:	C <sub>30</sub> H <sub>26</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	522.55
Target:	JNK
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	JNK2-IN-1 (Compound J27) is a JNK2 inhibitor ( $K_d$ : 79.2 $\mu$ M). JNK2-IN-1 has anti-inflammatory activity. JNK2-IN-1 decreases the release of TNF- $\alpha$ and IL-6 through inhibiting the activation of NF- $\kappa$ B/MAPK pathway. JNK2-IN-1 alleviates the symptoms of LPS-induced acute lung injury (ALI) and sepsis <sup>[1]</sup> .
IC <sub>50</sub> & Target	Kd: 79.2 $\mu$ M <sup>[1]</sup>

### REFERENCES

[1]. Liao J, et al. Discovery of the Diphenyl 6-Oxo-1,6-dihydropyridazine-3-carboxylate/carboxamide Analogue J27 for the Treatment of Acute Lung Injury and Sepsis by Targeting JNK2 and Inhibiting the JNK2-NF- $\kappa$ B/MAPK Pathway. J Med Chem. 2023 Aug 29.

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

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