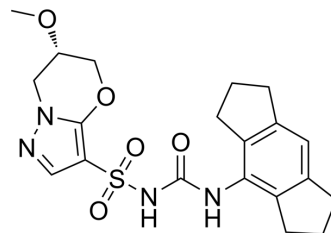


## JT002

Cat. No.:	HY-149478
CAS No.:	2238820-43-2
Molecular Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>4</sub> O <sub>5</sub> S
Molecular Weight:	432.49
Target:	NOD-like Receptor (NLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

JT002 is an orally active inhibitor of the NLRP3 inflammasome. JT002 reduces NLRP3-dependent proinflammatory cytokine (such as IL-1 $\beta$ , IL-1 $\alpha$ , IL-18) production and pyroptosis. JT002 blocks NLRP3 inflammasome complex formation. JT002 reduces airway hyperresponsiveness and airway neutrophilia in mice<sup>[1]</sup>.

## REFERENCES

[1]. Ambrus-Aikelin G, et al. JT002, a small molecule inhibitor of the NLRP3 inflammasome for the treatment of autoinflammatory disorders. *Sci Rep.* 2023 Aug 19;13(1):13524.

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

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