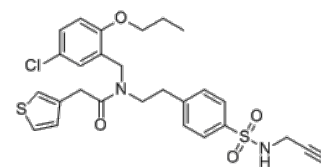


**Product Name** : YQ128  
**Cat. No.** : PC-21694  
**CAS No.** : 2454246-18-3  
**Molecular Formula** : C<sub>27</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 545.11  
**Target** : NOD-like Receptor (NLR)  
**Solubility** : 10 mM in DMSO



CAS: 2454246-18-3

## Biological Activity

YQ128 is potent, second-generation inhibitor of the NOD-like receptor protein 3 (NLRP3) inflammasome with IC<sub>50</sub> of 0.3 μM.

YQ128 dose dependently suppresses the release of IL-1β from peritoneal macrophages upon LPS/ATP challenge with IC<sub>50</sub> of 1.59 μM.

YQ-128 (10 mg/kg) inhibits LPS-induced IL-1β production in wild-type but not Nlrp3<sup>-/-</sup> mice.

## References

Yuqi Jiang, et al. J Med Chem. 2019 Nov 14;62(21):9718-9731.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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