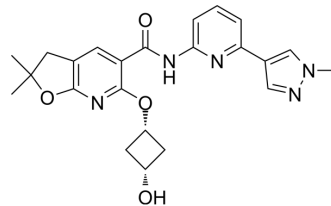


## IRAK4-IN-25

Cat. No.:	HY-155518
CAS No.:	2952533-47-8
Molecular Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	435.48
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	IRAK4-IN-25 (compound 38) is an orally active and potent IRAK4 inhibitor (IC <sub>50</sub> =7.3 nM), with low clearance (Cl=12 mL/min/kg). IRAK4-IN-25 inhibits production of pro-inflammatory cytokines, and shows in vitro safety and ADME profiles. IRAK4-IN-25 can be used for research in inflammatory and autoimmune disorders <sup>[1]</sup> .
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<b>IC<sub>50</sub> &amp; Target</b>	IRAK4 <sup>[1]</sup>
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### REFERENCES

[1]. Hao Y, et al. Synthesis and evaluation of dihydrofuro [2, 3-b] pyridine derivatives as potent IRAK4 inhibitors[J]. European Journal of Medicinal Chemistry, 2023: 115616.

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

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