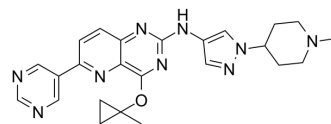


## IRAK4-IN-13

Cat. No.:	HY-146111
CAS No.:	2667681-57-2
Molecular Formula:	C <sub>24</sub> H <sub>27</sub> N <sub>9</sub> O
Molecular Weight:	457.53
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-13 (compound 21) is a potent and selective IRAK4 inhibitor with an IC <sub>50</sub> of 0.6 nM. IRAK4-IN-13 shows high metabolic clearance with human liver microsomes (HLM) intrinsic clearance is 96 μL/min/mg <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IRAK4 0.6 nM (IC <sub>50</sub> )
<b>In Vitro</b>	IRAK4-IN-13 (compound 21) shows cell pIRAK4 potencies with an IC <sub>50</sub> of 0.024 μM <sup>[1]</sup> . IRAK4-IN-13 (compound 21) shows selectivity with IC <sub>50</sub> s of 0.0006, 0.002, 0.044, 1.2, 0.018, 0.019, 0.082, 0.036 μM for IRAK4, IRAK1, BTK, Flt3, PI3Kδ, TRKa, TRKb, TRKc, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Degorce SL, et al. Improving metabolic stability and removing aldehyde oxidase liability in a 5-azaquinazoline series of IRAK4 inhibitors. *Bioorg Med Chem*. 2020 Dec 1;28(23):115815.

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

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