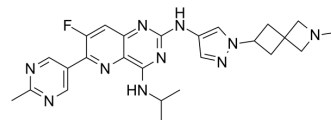


IRAK4-IN-15

Cat. No.:	HY-146113
CAS No.:	2667681-85-6
Molecular Formula:	C ₂₅ H ₂₉ N ₁₀
Molecular Weight:	488.56
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IRAK4-IN-15 (compound 35) is a potent and selective IRAK4 inhibitor with an IC ₅₀ of 0.002 μM. IRAK4-IN-15 shows good human PK predictions with low intrinsic clearance. IRAK4-IN-15 shows great synergistic in vitro activity against MyD88/CD79 double mutant ABC-DLBCL in combination with Acalabrutinib. ^[1]
IC₅₀ & Target	IRAK4 0.002 μM (IC ₅₀)
In Vitro	IRAK4-IN-15 (compound 35) shows cell pIRAK4 potencies with an IC ₅₀ of 0.21 μM ^[1] . IRAK4-IN-15 (compound 35) shows selectivity with IC ₅₀ s of 0.002, 1.2, >10, 1.5, 0.23, 0.48, 0.93, 0.57 μM for IRAK4, IRAK1, BTK, Flt3, PI3Kδ, TRKa, TRKb, TRKc, respectively ^[1] . 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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