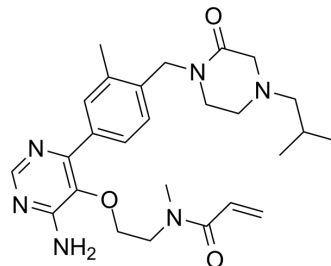


BTK-IN-8

Cat. No.:	HY-145884
CAS No.:	2824922-28-1
Molecular Formula:	C ₂₆ H ₃₆ N ₆ O ₃
Molecular Weight:	480.6
Target:	Btk
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BTK-IN-8 is a potent and selective peripheral covalent BTK inhibitor (IC ₅₀ =0.22 nM; K _d =0.91 nM). BTK-IN-8 has good whole blood CD69 cellular potency (IC ₅₀ =0.029 μM) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.22 nM (BTK) ^[1]
In Vitro	BTK-IN-8 (compound 42) shows potent target occupancy in Ramos cells (IC ₅₀ =3.1 nM) and inhibits BTK-dependent TMD8 cells proliferation (IC ₅₀ = 1.6 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ma B, et al. Optimization of a novel piperazinone series as potent selective peripheral covalent BTK inhibitors. *Bioorg Med Chem Lett.* 2022, 60:128549.

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

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