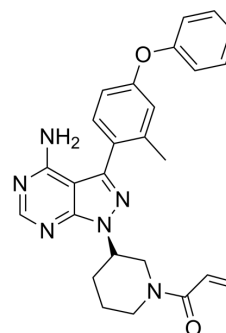


BTK-IN-22

Cat. No.:	HY-148585
CAS No.:	2573048-10-7
Molecular Formula:	C ₂₆ H ₂₆ N ₆ O ₂
Molecular Weight:	454.52
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-22 is a BTK inhibitor (IC ₅₀ : 0.9 nM). BTK-IN-22 also inhibits BLX and BMX with IC ₅₀ s of 1.4 and 1.2 nM respectively. BTK-IN-22 shows improved kinase selectivity compared to Ibrutinib (HY-10997) ^[1]	
In Vitro	BTK-IN-23 (Compound 2) inhibits BTK autophosphorylation in Jeko-1 cells, with an IC ₅₀ of 109 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Western Blot Analysis ^[1]	
	Cell Line:	Jeko-1 cell
	Concentration:	0.01, 0.1, 1, 10 μM
	Incubation Time:	2 h
	Result:	Inhibited BTK autophosphorylation.

REFERENCES

[1]. Sean T. Toenjes, et al. Controlling Ibrutinib's Conformations about Its Heterobiaryl Axis to Increase BTK Selectivity. ACS Med. Chem. Lett. 2023. <https://doi.org/10.1021/acsmchemlett.2c00523>

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA