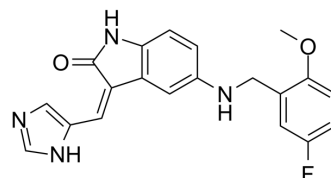


TRK-IN-23

Cat. No.:	HY-149965
CAS No.:	2924344-29-4
Molecular Formula:	C ₂₀ H ₁₇ FN ₄ O ₂
Molecular Weight:	364.37
Target:	Trk Receptor; Apoptosis
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TRK-IN-23 (compound 24b) is a potent and orally active TRK inhibitor with IC ₅₀ values of 0.5 nM, 9 nM, 14 nM, 4.4 nM, and 4.8 nM against TRKA, TRKC, TRKA ^{G595R} , TRKA ^{F589L} , and TRKA ^{G667C} , respectively. TRK-IN-23 induces apoptosis of Ba/F3-TRKAG595Rand Ba/F3-TRKAG667C cells ^[1] .			
IC₅₀ & Target	TrkA 0.5 nM (IC ₅₀)	TrkC 9 nM (IC ₅₀)	TRKA ^{G595R} 14 nM (IC ₅₀)	TRKA ^{F589L} 4.4 nM (IC ₅₀)
	TRKA ^{G667C} 4.8 nM (IC ₅₀)			

REFERENCES

[1]. Qiaohua Qin, et al. Design, synthesis and biological evaluation of novel indolin-2-one derivatives as potent second-generation TRKs inhibitors. Eur J Med Chem. 2023 May 5;253:115291.

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

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