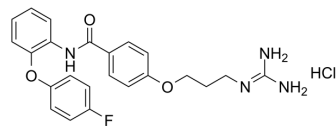


MONIRO-1

Cat. No.:	HY-147638
CAS No.:	1909225-94-0
Molecular Formula:	C ₂₃ H ₂₄ ClFN ₄ O ₃
Molecular Weight:	458.91
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MONIRO-1 is a T-type and N-type calcium channel blocker with IC ₅₀ values of 34, 3.3, 1.7 and 7.2 μM against hCa _v 2.2, hCa _v 3.1, hCa _v 3.2 and hCa _v 3.3, respectively ^[1] .			
IC₅₀ & Target	Ca _v 3.2 1.7 μM (IC ₅₀)	Ca _v 3.1 3.3 μM (IC ₅₀)	Ca _v 3.3 7.2 μM (IC ₅₀)	Ca _v 2.2 34 μM (IC ₅₀)

REFERENCES

[1]. McArthur JR, et al. Inhibition of human N- and T-type calcium channels by an ortho-phenoxyanilide derivative, MONIRO-1. Br J Pharmacol. 2018 Jun;175(12):2284-2295.

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

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