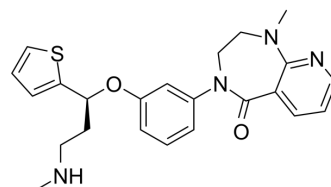


Cav α 2 δ 1&NET-IN-1

Cat. No.:	HY-148862
CAS No.:	2314361-39-0
Molecular Formula:	C ₂₃ H ₂₆ N ₄ O ₂ S
Molecular Weight:	422.54
Target:	Calcium Channel; Monoamine Transporter
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cav α 2 δ 1&NET-IN-1 (Compound 59S) is a dual inhibitor of the α 2 δ 1 subunit of voltage-gated calcium channels (Ca _v α 2 δ -1) and the norepinephrine transporter (NET). Cav α 2 δ 1&NET-IN-1 inhibits Ca _v α 2 δ -1 with a K _i of 112 nM. Cav α 2 δ 1&NET-IN-1 inhibits NET with a K _i of 383 nM and IC ₅₀ of 67 nM. Cav α 2 δ 1&NET-IN-1 can be used for research of pain ^[1] .
IC₅₀ & Target	Cav α 2 δ 1: 112 nM (K _i); NET: 383 nM (K _i), 67 nM (IC ₅₀).

REFERENCES

[1]. Díaz JL, et al. Bicyclic Diazepinones as Dual Ligands of the α 2 δ -1 Subunit of Voltage-Gated Calcium Channels and the Norepinephrine Transporter. J Med Chem. 2021 Feb 25;64(4):2167-2185.

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

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