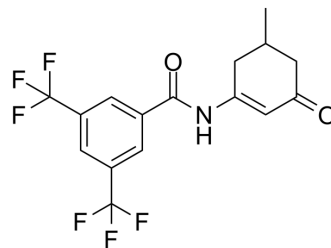


IAA65

Cat. No.:	HY-150541
CAS No.:	2987139-96-6
Molecular Formula:	C ₁₆ H ₁₃ F ₆ NO ₂
Molecular Weight:	365.27
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	IAA65 is a potent T-type calcium channel inhibitor with a IC ₅₀ value of 18.9 μM. IAA65 can be used for epilepsy research ^[1] .
IC ₅₀ & Target	T-type calcium channel
In Vitro	<p>IAA65 (50 μM; differentiated ND7/23 cells) causes a significant reduction in the current density generated by T-type Ca²⁺ channel activation^[1].</p> <p>IAA65 (50 μM; differentiated ND7/23 cells) alters the steady-state inactivation of Cav3.2 and Cav3.3 T-type Ca²⁺ channels, which resulted in a significant increase in the inactivation recovery time of the channels^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Amaye IJ, et, al. Evaluation of potential anticonvulsant fluorinated N-benzamide enamines as T-type Ca²⁺ channel blockers. *Bioorg Med Chem*. 2022 Jul 1;65:116766.

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

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