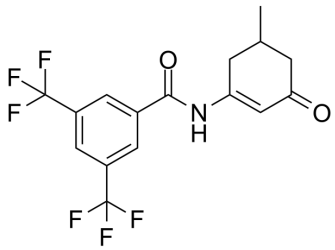
IAA65

Cat. No.:	HY-150541
Molecular Formula:	$C_{16}H_{13}F_6NO_2$
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].
In Vitro	IAA65 (50 μM; differentiated ND7/23 cells) causes a significant reduction in the current density generated by T-type Ca^{2+} channel activation[1]. IAA65 (50 μM; differentiated ND7/23 cells) alters the steady-state inactivation of Cav3.2 and Cav3.3 T-type Ca^{2+} channels, which resulted in a significant increase in the inactivation recovery time of the channels[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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