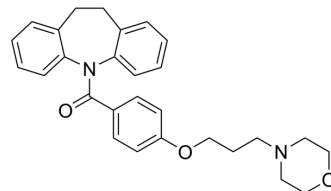


Cav 2.2/3.2 blocker 1

Cat. No.:	HY-147639
Molecular Formula:	C ₂₈ H ₃₀ N ₂ O ₃
Molecular Weight:	442.55
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	Cav 2.2/3.2 blocker 1 (Compound 9e) is a neuronal calcium channel blocker with IC ₅₀ values of 78 μM and 80 μM against Ca _v 2.2 and Ca _v 3.2, respectively. Cav 2.2/3.2 blocker 1 can penetrate the CNS ^[1] .	
IC ₅₀ & Target	Ca _v 3.2 80 μM (IC ₅₀)	Ca _v 2.2 78 μM (IC ₅₀)

REFERENCES

[1]. Cardoso FC, et al. The neuronal calcium ion channel activity of constrained analogues of MONIRO-1. *Bioorg Med Chem.* 2020 Sep 15;28(18):115655.

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

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