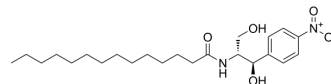


D-NMAPPD

Cat. No.:	HY-124962
CAS No.:	35922-06-6
Molecular Formula:	C ₂₃ H ₃₈ N ₂ O ₅
Molecular Weight:	422.56
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-NMAPPD ((1R,2R)-B13) is an acid ceramidase inhibitor. D-NMAPPD regulates NMDA receptor properties by enhancing endogenous production of ceramides. D-NMAPPD has anticancer effects ^{[1][2]} .
In Vitro	In rat hippocampal slices, D-NMAPPD exhibit increased N-methyl-D-aspartate (NMDA) receptor-mediated field excitatory postsynaptic potentials (fEPSPs) in CA1 synapses ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Marie-Elaine Laurier-Laurin, et al. Blockade of lysosomal acid ceramidase induces GluN2B-dependent Tau phosphorylation in rat hippocampal slices. *Neural Plast.* 2014;2014:196812.

[2]. M Selzner, et al. Induction of apoptotic cell death and prevention of tumor growth by ceramide analogues in metastatic human colon cancer. *Cancer Res.* 2001 Feb 1;61(3):1233-40.

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

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