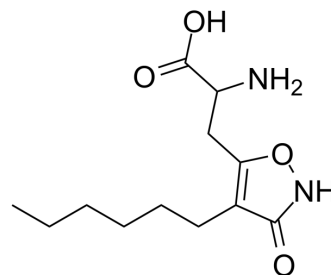


HexylHIBO

Cat. No.:	HY-103559
CAS No.:	334887-43-3
Molecular Formula:	C ₁₂ H ₂₀ N ₂ O ₄
Molecular Weight:	256.3
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HexylHIBO is a potent group I mGluR antagonist with K _b s of 140 and 110 μM at mGlu _{1a} and mGlu _{5a} receptors, respectively. HexylHIBO decreased sEPSC in rat ^[1] .
In Vitro	Thus ambient levels of glutamate tonically activate mGluRs and regulate cortical excitability ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Madsen U, et al. Synthesis and pharmacology of 3-isoxazolol amino acids as selective antagonists at group I metabotropic glutamic acid receptors. *J Med Chem.* 2001;44(7):1051-1059.
- [2]. Bandrowski AE, et al, Prince DA. Baseline glutamate levels affect group I and II mGluRs in layer V pyramidal neurons of rat sensorimotor cortex. *J Neurophysiol.* 2003;89(3):1308-1316.

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

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