

Product Datasheet

Isoguvacine hydrochloride (orb1940794)

Catalog Number	orb1940794
Category	Small Molecules
Description	Isoguvacine hydrochloride is a GABA receptor agonist. Isoguvacine hydrochloride binds to rat synaptic cortical membranes and activates $\alpha 1\beta 2\gamma 2S$, $\alpha 2\beta 2\gamma 2S$, $\alpha 3\beta 2\gamma 2S$, $\alpha 5\beta 2\gamma 2S$, and $\rho 1$ subunit GABAA receptors. (In Vitro): Treatment of 50 μM Isoguvacine to block epileptiform events in 2 of 6 organotypic hippocampal slice cultures, Isoguvacine dose-dependently inhibits hypomagnesium-induced epileptiform events. Isoguvacine binds to mouse forebrain synaptic membrane preparations and can specifically bind to GABA, muscimol and bicuculline, but not picrotoxin or diaminobutyric acid. The highest levels of binding are observed in the cerebellum, cortex and hippocampus.
Target	NR2B-NMDA
Purity	>98% (HPLC)
MW	163.6
Target Areas	NR2B-NMDA
Solubility (25°C)	In Vitro: H2O : 100 mg/mL (611.25 mM)
CAS Number	68547-97-7
Formula	$C_6H_{10}ClNO_2$
SMILES	<chem>ClOC(=O)C1=CCNCC1</chem>
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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