

Lecozotan HCl

Catalog No: #S08796



Package Size: #S08796-1 1 mg #S08796-2 10 mg #S08796-3 100 mg #S08796-4 25 mg #S08796-5 5 mg #S08796-6 50 mg
 @Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Lecozotan HCl
Other Names	SRA 333;SRA333;SRA-333;η • ι 'Εζ• θ δ½• ε• ;Lecozotan HCl;Lecozotan Hydrochloride;Lecozotan hydrochloride;5-HT;5HT Receptor;5HTReceptor
Calculated MW	520.02
Storage	keep away from moisture,store at low temperature . Powder: -20°C for 3 years . In solvent: -80°C for 1 year . Shipping with blue ice.

Application Details

ε ε• εO• :C28H30CIN5O3Smile:[C@H](CN(C(=O)C1=CC=C(C#N)C=C1)C2=CC=CC=N2)(C)N3CCN(C4=C5C(=CC=C4)OCCO5)CC3.CIDMLε• :MFCD11100262η1—ε1;99.47%ζ1Aθ\$£ε1;DMSO:50 mg/mL (96.15 mM)δ½ ε ζ'»ζ §:Lecozotan HCl (0.3 mg/kg; s.c.) antagonized the decrease in hippocampal extracellular 5-HT induced by 8-hydroxy-2-dipropylaminotetralin (8-OH-DPAT) and had no effects alone at doses 10-fold higher. Lecozotan HCl significantly potentiated the potassium chloride-stimulated release of glutamate and acetylcholine in the dentate gyrus of the hippocampus. Chronic administration of Lecozotan HCl did not induce 5-HT(1A) receptor tolerance or desensitization in a behavioral model indicative of 5-HT(1A) receptor function.[1]

In drug discrimination studies, Lecozotan HCl (0.01-1 mg/kg i.m.) did not substitute for 8-OH-DPAT and produced a dose-related blockade of the 5-HT(1A) agonist discriminative stimulus cue. In aged rhesus monkeys, Lecozotan HCl produced a significant improvement in task performance efficiency at an optimal dose (1 mg/kg p.o.). Learning deficits induced by the glutamatergic antagonist MK-801 [(-)-5-methyl-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5,10-imine maleate] (assessed by perceptually complex and visual spatial discrimination) and by specific cholinergic lesions of the hippocampus (assessed by visual spatial discrimination) were reversed by Lecozotan HCl (2 mg/kg i.m.) in marmosets.[1]δΩ'ε• ι θ—:G

θ η ½ε• Aθ• ε• δ½ |η η»• η§ ε-;|• Aη 'H:5-HT Receptor

Note: This product is for in vitro research use only and is not intended for use in humans or animals.