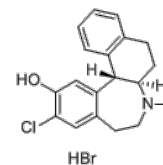


Product Name : SCH39166
Cat. No. : PC-60812
CAS No. : 1227675-51-5
Molecular Formula : C₁₉H₂₀ClNO.HBr
Molecular Weight : 394.73
Target : Dopamine Receptor
Solubility : 10 mM in DMSO



Biological Activity

Ecopipam (SCH 39166) is a potent, selective **D1 dopamine receptor** antagonist with K_i of 3.6 nM, >300-fold selectivity over D2 and 5-HT₂ receptors.

Ecopipam (SCH 39166) blocks dopamine-stimulated adenylate cyclase with K_i of 9.1 nM, inhibits both rat and squirrel monkey conditioned avoidance responding.

Ecopipam (SCH 39166) antagonizes apomorphine-induced stereotypy in rats, demonstrates potential antipsychotic activity in vivo.

References

Chipkin RE, et al. *J Pharmacol Exp Ther.* 1988 Dec;247(3):1093-102.

Lidow MS, et al. *Brain Res.* 1990 Dec 24;537(1-2):349-54.

Wu WL, et al. *J Med Chem.* 2005 Feb 10;48(3):680-93.

Criswell HE, et al. *Neuropsychopharmacology.* 1992 Sep;7(2):95-103.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com