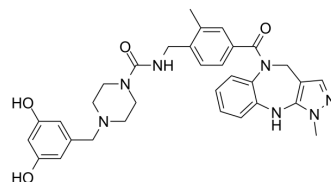


WAY-267464

Cat. No.:	HY-15522
CAS No.:	847375-16-0
Molecular Formula:	C ₃₂ H ₃₅ N ₇ O ₄
Molecular Weight:	581.66
Target:	Oxytocin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	WAY-267464 is a non-peptide oxytocin receptor (OTR) agonist. WAY-267464 can impair social recognition memory in rats through a vasopressin 1A receptor antagonist action. WAY-267464 can be used for the research of psychiatric disorders, such disorders include autism spectrum disorder, schizophrenia, and social anxiety disorder ^[1] .								
In Vivo	<p>WAY-267464 (i.p., 100 mg/kg) has antagonism of the memory-enhancing effects of AVP (0.005 mg/kg) on social recognition at a retention interval of 120 min^[1].</p> <p>WAY-267464 (i.p., 10 and 30 mg/kg) has the antagonist effects on the arginine vasopressin Vasopressin (HY-P0049) (AVP)-induced (0.005 mg/kg) facilitation of social recognition at a retention interval of 120 min^[1].</p> <p>WAY-267464 (i.p., 30 and 100 mg/kg, given alone) impairs memory at a 30 min retention interval^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Wistar Rats (adult: 9-10 weeks; juvenile: 3-4 weeks)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1, 10, 30, and 100 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal; 1, 10, 30, and 100 mg/kg</td> </tr> <tr> <td>Result:</td> <td> <p>Completely prevented the AVP-induced preference for the novel over the familiar juvenile stimulus rats.</p> <p>Prevented the increase in preference for the novel over the familiar juvenile stimulus rat induced by AVP at 10 and 30 mg/kg, but not 1 mg/kg.</p> </td> </tr> </table>	Animal Model:	Male Wistar Rats (adult: 9-10 weeks; juvenile: 3-4 weeks) ^[1]	Dosage:	1, 10, 30, and 100 mg/kg	Administration:	Intraperitoneal; 1, 10, 30, and 100 mg/kg	Result:	<p>Completely prevented the AVP-induced preference for the novel over the familiar juvenile stimulus rats.</p> <p>Prevented the increase in preference for the novel over the familiar juvenile stimulus rat induced by AVP at 10 and 30 mg/kg, but not 1 mg/kg.</p>
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REFERENCES

[1]. Callum Hicks, et al. WAY 267,464, a non-peptide oxytocin receptor agonist, impairs social recognition memory in rats through a vasopressin 1A receptor antagonist action. *Psychopharmacology (Berl)*. 2015 Aug;232(15):2659-67.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA