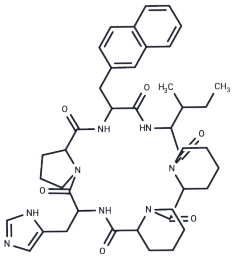
Data Sheet (Cat.No.T24292)

TargetMol

L 366948

Chemical Properties



CAS No. : 127819-97-0

Formula: C42H54N8O6

Molecular Weight: 766.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	L 366948 is an antagonist of the oxytocin receptor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3039 mL	6.5195 mL	13.039 mL
5 mM	0.2608 mL	1.3039 mL	2.6078 mL
10 mM	0.1304 mL	0.6519 mL	1.3039 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Politowska E, Drabik P, Kazmierkiewicz R, Ciarkowsk J. Docking ligands to vasopressin and oxytocin receptors via genetic algorithm. J Recept Signal Transduct Res. 2002 Feb-Nov;22(1-4):393-409. PubMed PMID: 12503629.

Hu J, Ludwig TE, Salli U, Stormshak F, Mirando MA. Autocrine/paracrine action of oxytocin in pig endometrium. Biol Reprod. 2001 Jun;64(6):1682-8. PubMed PMID: 11369595.

Politowska E, Czaplewski C, Ciarkowski J. Molecular modeling of the oxytocin receptor/bioligand interactions. Acta Biochim Pol. 1999;46(3):581-90. PubMed PMID: 10698266.

Yibchok-Anun S, Cheng H, Heine PA, Hsu WH. Characterization of receptors mediating AVP- and OT-induced glucagon release from the rat pancreas. Am J Physiol. 1999 Jul;277(1 Pt 1):E56-62. PubMed PMID: 10409128.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481