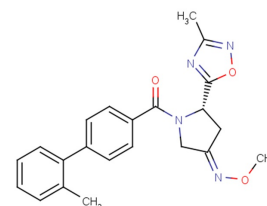


OT antagonist 1

Chemical Properties

CAS No.:	479080-38-1
Formula:	C22H22N4O3
Molecular Weight:	390.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	OT antagonist 1 is a potent and selective antagonist of Oxytocin(Ki of 50 nM)
Targets(IC ₅₀)	Oxytocin(ki): ki:50 nM
In vitro	OT antagonists have therapeutic potential in a number of areas including pre-term labour: Benign Prostatic Hyperplasia and sexual dysfunction. As a result there is significant interest in the identification of potent, selective, orally bioavailable OT antagonists[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.561 mL	12.806 mL	25.612 mL
5 mM	0.512 mL	2.561 mL	5.122 mL
10 mM	0.256 mL	1.281 mL	2.561 mL
50 mM	0.051 mL	0.256 mL	0.512 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Brown A, et al. Design and optimization of potent, selective antagonists of Oxytocin. *Bioorg Med Chem Lett*. 2008 Aug 1;18(15):4278-81.

Inhibitors · Natural Compounds · Compound Libraries

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