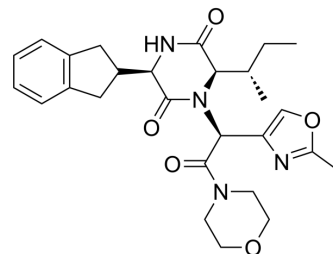


(S)-Retosiban

Cat. No.:	HY-14778A		
CAS No.:	2994298-20-1		
Molecular Formula:	C ₂₇ H ₃₄ N ₄ O ₅		
Molecular Weight:	494.58		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (404.38 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0219 mL	10.1096 mL	20.2192 mL
	5 mM	0.4044 mL	2.0219 mL	4.0438 mL
	10 mM	0.2022 mL	1.0110 mL	2.0219 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 5 mg/mL (10.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (10.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S)-Retosiban is the isomer of Retosiban (HY-14778), and can be used as an experimental control. Retosiban (GSK221149A) is a potent and selective oxytocin antagonist with a K_i of 0.65 nM.

REFERENCES

- [1]. Liddle J, et al. The discovery of GSK221149A: a potent and selective oxytocin antagonist. *Bioorg Med Chem Lett*. 2008 Jan 1;18(1):90-4.

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

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