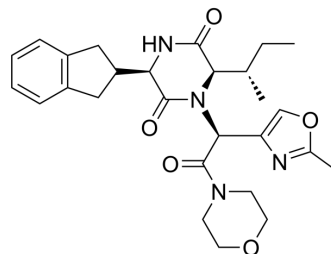


(S)-Retosiban

Cat. No.:	HY-14778A		
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)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (10.11 mM); Clear solution					
	2. 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 inactive 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.
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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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