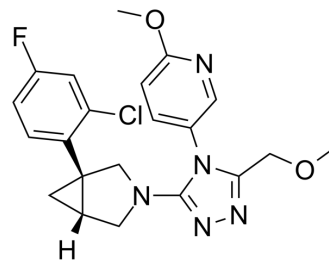


SHR1653

Cat. No.:	HY-128351
CAS No.:	2231770-73-1
Molecular Formula:	C ₂₁ H ₂₁ ClFN ₅ O ₂
Molecular Weight:	429.88
Target:	Oxytocin Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (232.62 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.3262 mL	11.6312 mL	23.2623 mL
		5 mM		0.4652 mL	2.3262 mL	4.6525 mL
10 mM		0.2326 mL	1.1631 mL	2.3262 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.82 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.82 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.82 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	SHR1653 is a highly potent, selective and brain penetrated oxytocin receptor (OTR) antagonist, with an IC ₅₀ of 15 nM for hOTR ^[1] .
IC₅₀ & Target	IC ₅₀ : 15 nM (hOTR) ^[1] .

REFERENCES

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