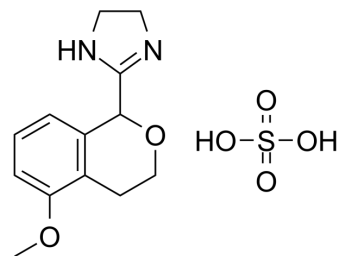


Tasipimidine sulfate

Cat. No.:	HY-109075A
CAS No.:	1465908-73-9
Molecular Formula:	C ₁₃ H ₁₈ N ₂ O ₆ S
Molecular Weight:	330.36
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (378.38 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0270 mL	15.1350 mL	30.2700 mL
		5 mM		0.6054 mL	3.0270 mL	6.0540 mL
	10 mM		0.3027 mL	1.5135 mL	3.0270 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: ≥ 2.08 mg/mL (6.30 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.30 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.30 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Tasipimidine sulfate is an orally active and selective α _{2A} -adrenoceptor agonist with a pEC ₅₀ of 7.57 against human α _{2A} -adrenoceptor. Tasipimidine sulfate can be used for situational anxiety and fear research ^[1] .			
IC₅₀ & Target	human α _{2A} -adrenoceptor 7.57 (pEC ₅₀)	rodent α _{2D} -adrenoceptor 6.56 (pEC ₅₀)	human α _{2C} -adrenoceptor 6.29 (pEC ₅₀)	human α _{2B} -adrenoceptor 6.00 (pEC ₅₀)

REFERENCES

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

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