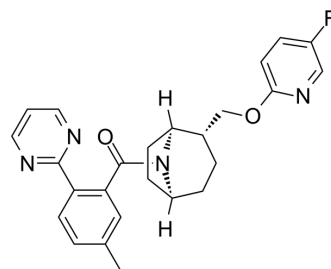


Fazamorexant

Cat. No.:	HY-152843
CAS No.:	1808918-69-5
Molecular Formula:	C ₂₅ H ₂₅ FN ₄ O ₂
Molecular Weight:	432.49
Target:	Orexin Receptor (OX Receptor)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (231.22 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3122 mL	11.5610 mL	23.1219 mL
		5 mM	0.4624 mL	2.3122 mL	4.6244 mL
10 mM		0.2312 mL	1.1561 mL	2.3122 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 (5.78 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.78 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.78 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Fazamorexant (YZJ-1139) is a potent orexin receptor antagonist. Fazamorexant can be used for insomnia research ^{[1][2]} .
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REFERENCES

- [1]. Zhang Y, et al. Asymmetric Synthesis of Nortropanes via Rh-Catalyzed Allylic Arylation. ACS Catal. 2022 Aug 5;12(15):8995-9002.
- [2]. Zhenya Zeng, et al. Development of a Scalable Route with Efficient Stereoisomer Control to YZJ-1139, an Orexin Receptor Antagonist. Org. Process Res. Dev. 2022, 26, 2,

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

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