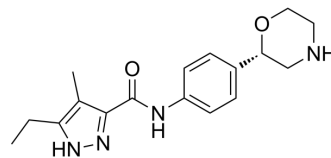


Ralmitaront

Cat. No.:	HY-109157		
CAS No.:	2133417-13-5		
Molecular Formula:	C ₁₇ H ₂₂ N ₄ O ₂		
Molecular Weight:	314.38		
Target:	Trace Amine-associated Receptor (TAAR)		
Pathway:	GPCR/G Protein		
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 : 100 mg/mL (318.09 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1809 mL	15.9043 mL	31.8086 mL
	5 mM	0.6362 mL	3.1809 mL	6.3617 mL
	10 mM	0.3181 mL	1.5904 mL	3.1809 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: ≥ 2.5 mg/mL (7.95 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ralmitaront (RO6889450), a potent and orally active partial agonist of the trace amine-associated receptor 1 (TAAR1), acts as a neuroleptic agent. Ralmitaront can be used for the research of neuro-related diseases, such as schizophrenia (SCZ), schizoaffective disorder, and negative symptoms^[1].

REFERENCES

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

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