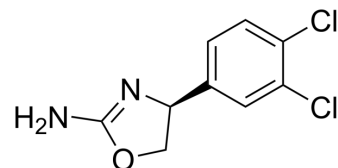


RO5203648

Cat. No.:	HY-103054
CAS No.:	1043491-54-8
Molecular Formula:	C ₉ H ₈ Cl ₂ N ₂ O
Molecular Weight:	231.08
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (432.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.3275 mL	21.6375 mL	43.2751 mL
		5 mM	0.8655 mL	4.3275 mL	8.6550 mL
		10 mM	0.4328 mL	2.1638 mL	4.3275 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: 2.5 mg/mL (10.82 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	RO5203648 is a potent and highly selective partial agonist of TAAR1 (Trace amine-associated receptor 1) with high affinity. RO5203648 demonstrates a novel paradigm for neuropsychiatric research ^[1] .
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REFERENCES

[1]. Revel FG, et al. Trace amine-associated receptor 1 partial agonism reveals novel paradigm for neuropsychiatric therapeutics. Biol Psychiatry. 2012 Dec 1;72(11):934-42.

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