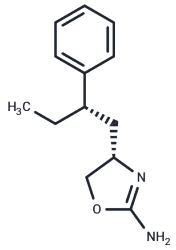
Data Sheet (Cat.No.T12744)

RO5256390

Chemical Properties



CAS No. : 1043495-96-0

Formula: C13H18N2O

Molecular Weight: 218.29

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	RO5256390 is a trace amine-associated receptor 1 (TAAR1) agonist, a highly conserved G-protein-coupled receptor that blocks psychostimulant-induced hyperarousal, and may be used in the study of neurological disorders.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 30 mg/mL (137.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.16 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5811 mL	22.9053 mL	45.8106 mL
5 mM	0.9162 mL	4.5811 mL	9.1621 mL
10 mM	0.4581 mL	2.2905 mL	4.5811 mL
50 mM	0.0916 mL	0.4581 mL	0.9162 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Revel FG, et al. A new perspective for schizophrenia: TAAR1 agonists reveal antipsychotic- and antidepressant-like activity, improve cognition and control body weight. Mol Psychiatry. 2013 May;18(5):543-56.
Ferragud A, et al. The Trace Amine-Associated Receptor 1 Agonist RO5256390 Blocks Compulsive, Binge-like Eating in Rats. Neuropsychopharmacology. 2017 Jun;42(7):1458-1470.

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