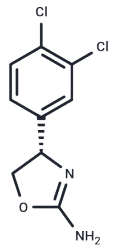
Data Sheet (Cat.No.T34374)

RO5203648 HCl

Chemical Properties



CAS No. : 1043491-54-8

Formula: C9H8Cl2N2O

Molecular Weight: 231.08

Storage: 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	RO5203648 HCl is a partial agonist of trace amine-related receptor 1 (TAAR1) with antipsychotic and antidepressant-like activities. RO5203648 HCl can be used in studies about neuropsychiatric therapeutics.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 4.4 mg/mL (19.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3275 mL	21.6375 mL	43.2751 mL
5 mM	0.8655 mL	4.3275 mL	8.655 mL
10 mM	0.4328 mL	2.1638 mL	4.3275 mL
50 mM	0.0866 mL	0.4328 mL	0.8655 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

Pei Y, et al. Selective activation of the trace amine-associated receptor 1 decreases cocaine's reinforcing efficacy and prevents cocaine-induced changes in brain reward thresholds. Prog Neuropsychopharmacol Biol Psychiatry. 2015 Dec 3;63:70-5.
Cotter R, et al. The trace amine-associated receptor 1 modulates methamphetamine's neurochemical and behavioral effects. Front Neurosci. 2015 Feb 13;9:39.
Pei Y, et al. Activation of the trace amine-associated receptor 1 prevents relapse to cocaine seeking. Neuropsychopharmacology. 2014 Sep;39(10):2299-308.
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.

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