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**Product Data Sheet**

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Product Name: RO5256390

Cat. No.: GC37548

**Chemical Properties**

Cas. No. 1043495-96-0

SMILES NC1=N[C@@H](C[C@@H](C2=CC=CC=C2)CC)CO1Formula  $C_{13}H_{18}N_2O$  M.Wt 218.29

Solubility DMSO : 50 mg/mL (229.05 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

RO5256390 is an agonist of trace amine-associated receptor 1 (TAAR1), a highly conserved G-protein-coupled receptor (GPCR) bound by endogenous trace amines. RO5256390 can be used to reduce multiple behavioral effects of drugs of abuse through their actions on the mesocorticolimbic system[1]. RO5256390 is a modulator of monoaminergic neurotransmission, blocks psychostimulant-induced hyperactivity and produces a brain activation pattern reminiscent of the antipsychotic drug olanzapine, suggesting antipsychotic-like properties[2].

[1]. 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. [2]. 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.

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

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