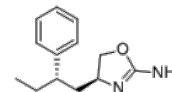


**Product Name** : RO 5256390  
**Cat. No.** : PC-61071  
**CAS No.** : 1043495-96-0  
**Molecular Formula** : C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O  
**Molecular Weight** : 218.3  
**Target** : Trace Amine-associated Receptor (TAAR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

RO 5256390 is a highly potent, selective and orally bioavailable trace amine-associated receptor 1 (**TAAR1**) full agonist with EC<sub>50</sub> of 18 nM, >500-fold selectivity over human adrenergic α<sub>2A</sub> receptor.

RO 5256390 blocks psychostimulant-induced hyperactivity and produces a brain activation pattern reminiscent of the antipsychotic drug olanzapine in vivo, does not induce catalepsy or weight gain.

## References

Revel FG, et al. *Mol Psychiatry*. 2013 May;18(5):543-56.

Pei Y, et al. *Neuropsychopharmacology*. 2014 Sep;39(10):2299-308.

Galley G, et al. *ACS Med Chem Lett*. 2015 Dec 30;7(2):192-7.

Ferragud A, et al. *Neuropsychopharmacology*. 2017 Jun;42(7):1458-1470.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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