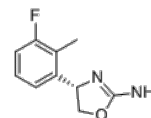


Product Name : RO5263397
Cat. No. : PC-61072
CAS No. : 1357266-05-7
Molecular Formula : C₁₀H₁₁FN₂O
Molecular Weight : 194.209
Target : Trace Amine-associated Receptor (TAAR)
Solubility : 10 mM in DMSO



Biological Activity

RO 5263397 is a highly potent, selective and orally bioavailable trace amine-associated receptor 1 (**TAAR1**) partial agonist with EC₅₀ of 17 nM, >1,000-fold selectivity over human adrenergic α_{2A} receptor.

RO 5263397 shows EC₅₀ of 35 nM for rat TRRA1.

RO 5263397 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, promotes vigilance in rats and shows pro-cognitive and antidepressant-like properties in rodent and primate models.

References

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

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

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