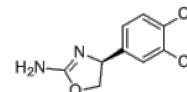


Product Name : RO 5203648
Cat. No. : PC-61077
CAS No. : 1043491-54-8
Molecular Formula : C₉H₈Cl₂N₂O
Molecular Weight : 231.076
Target : Trace Amine-associated Receptor (TAAR)
Solubility : 10 mM in DMSO



Biological Activity

RO 5203648 is a potent and selective **TAAR1** partial agonist with K_i of 0.5, 1.0, 6.8 and 2.6 nM for mouse, rat, human and monkey TAAR1, respectively.

RO 5203648 displays >130-fold selectivity of mouse TAAR1 K_i over a panel of 149 target proteins.

RO 5203648 increases the firing frequency of dopaminergic and serotonergic neurons in the ventral tegmental area and the dorsal raphe nucleus.

RO 5203648 demonstrates clear antipsychotic- and antidepressant-like activities as well as potential anxiolytic-like properties.

References

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

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

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