
Product Data Sheet

Product Name: RO 5263397 hydrochloride

Cat. No.: GC50580

Chemical Properties

Cas. No.

SMILES CC1=C([C@H]2COC(N)=N2)C=CC=C1F.ClFormula C10H11FN2O.HCl M.Wt 230.67

Solubility Soluble in DMSO 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**

Potent trace amine 1 (TA1) receptor agonist (EC50 values are 0.12, 35 and 17-85 nM for mouse, rat and human receptors, respectively). Increases wakefulness and reduces REM and NREM sleep duration in wild type mice. Inhibits spontaneous locomotor activity in dopamine transport (DAT) knockout mice.

Espinoza et al (2018) Biochemical and functional characterization of the trace amine-associated receptor 1 (TAAR1) agonist RO5263397. *Front.Pharmacol.* 9 645 PMID:29977204 | Galley et al (2015) Discovery and characterization of 2-aminooxazolines as highly potent, selective, and orally active TAAR1 agonists. *ACS.Med.Chem.Letts.* 7 192 PMID:26985297 | Schwartz et al (2017) Trace amine-associated receptor 1 regulates wakefulness and EEG spectral composition. *Neuropsychopharmacology.* 42 1305 PMID:27658486

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

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