

RO 5263397 hydrochloride

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	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.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

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

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