

RP5063 Hydrochloride

Chemical Properties

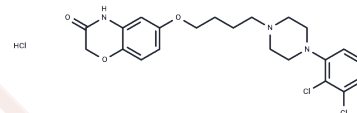
CAS No. : 1708960-04-6

Formula: C₂₂H₂₆Cl₃N₃O₃

Molecular Weight: 486.82

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	RP5063 Hydrochloride is a modulator of multimodal serotonin receptors.
Targets(IC50)	Others,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0541 mL	10.2707 mL	20.5415 mL
5 mM	0.4108 mL	2.0541 mL	4.1083 mL
10 mM	0.2054 mL	1.0271 mL	2.0541 mL
50 mM	0.0411 mL	0.2054 mL	0.4108 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bhat L, Hawkinson J, Cantillon M, Reddy DG, Bhat SR, Laurent CE, Bouchard A, Biernat M, Salvail D. Evaluation of the effects of RP5063, a novel, multimodal, serotonin receptor modulator, as single-agent therapy and co-administrated with sildenafil, bosentan, and treprostinil in a monocrotaline-induced pulmonary arterial hypertension rat model. *Eur J Pharmacol.* 2018 Feb 14. pii: S0014-2999(18)30096-7. doi: 10.1016/j.ejphar.2018.02.017. [Epub ahead of print] PubMed PMID: 29453947.

Cantillon M, Bhat L. Response to concerns over Cantillon et al. dopamine serotonin stabilizer RP5063 clinical trial's design, analyses and findings (SCHRES-D-17-00455) by Ahmed S Aboraya, MD, DrPh. *Schizophr Res.* 2018 Jan 21. pii: S0920-9964(17)30569-8. doi: 10.1016/j.schres.2017.09.010. [Epub ahead of print] PubMed PMID: 29395606.

Cantillon M, Ings R, Bhat L. Pharmacokinetics of RP5063 Following Single Doses to Normal Healthy Volunteers and Multiple Doses Over 10 Days to Stable Schizophrenic Patients. *Clin Transl Sci.* 2017 Nov 8. doi: 10.1111/cts.12518. [Epub ahead of print] PubMed PMID: 29119704.

Aboraya A. Concerns about the design, analyses, and findings of the trial of dopamine serotonin stabilizer RP5063 by Cantillon and colleagues. *Schizophr Res.* 2017 Aug 25. pii: S0920-9964(17)30508-X. doi: 10.1016/j.schres.2017.08.034. [Epub ahead of print] PubMed PMID: 28847613.

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