

Quipazine dimaleate

Chemical Properties

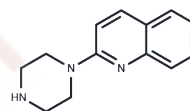
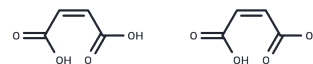
CAS No. : 150323-78-7

Formula: C₂₁H₂₃N₃O₈

Molecular Weight: 445.42

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	Quipazine dimaleate is a selective 5-HT ₃ agonist.
Targets(IC ₅₀)	5-HT Receptor,SARS-CoV
In vivo	Quipazine dimaleate dose-dependently reduces aggressive dominance in testosterone propionate-dominant rats, as well as in naturally dominant rats. When the serotonergic antagonists pirenpirone or pizotyline are coadministered with Quipazine dimaleate to either group of dominant rats, they blocks the effect of Quipazine dimaleate in reducing dominance[1].

Solubility Information

Solubility	H ₂ O: 29.7 mg/mL (66.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2451 mL	11.2254 mL	22.4507 mL
5 mM	0.449 mL	2.2451 mL	4.4901 mL
10 mM	0.2245 mL	1.1225 mL	2.2451 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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

- Bonson KR, Winter JC. Reversal of testosterone-induced dominance by the serotonergic agonist quipazine. *Pharmacol Biochem Behav.* 1992 Aug;42(4):809-13.
- Mok E, Paquette M, Thibault L. Effect of quipazine, a selective 5-HT₃ agonist, on dietary self-selection of different macronutrient diets in male and female rats. *Appetite.* 2000 Jun;34(3):313-25.
- Wolf A, et al. Attenuation of the lordosis-inhibiting effects of 8-OH-DPAT by TFMPP and quipazine. *Brain Res.* 1998 Sep 7;804(2):206-11.

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