

# Product data sheet



MedKoo Cat#: 574385 Name: Quipazine dimaleate CAS: 150323-78-7 (maleate) Chemical Formula: C <sub>21</sub> H <sub>23</sub> N <sub>3</sub> O <sub>8</sub> Molecular Weight: 445.43	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

Quipazine dimaleate is a selective 5-HT<sub>3</sub> receptor agonist that also displays antagonist activity at peripheral 5-HT<sub>3</sub> receptors. [3H]-Quipazine labels 5-HT<sub>3</sub> sites in the cortical membranes.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
Water	44.54	100

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.25 mL	11.23 mL	22.45 mL
5 mM	0.45 mL	2.25 mL	4.49 mL
10 mM	0.22 mL	1.12 mL	2.25 mL
50 mM	0.04 mL	0.22 mL	0.45 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

To be determined

In vivo study

- Mok E, Paquette M, Thibault L. Effect of quipazine, a selective 5-HT<sub>3</sub> agonist, on dietary self-selection of different macronutrient diets in male and female rats. *Appetite*. 2000 Jun;34(3):313-25. doi: 10.1006/appe.2000.0321. PMID: 10888295.
- Bonson KR, Winter JC. Reversal of testosterone-induced dominance by the serotonergic agonist quipazine. *Pharmacol Biochem Behav*. 1992 Aug;42(4):809-13. doi: 10.1016/0091-3057(92)90034-d. PMID: 1513863.

## 7. Bioactivity

Biological target:

Quipazine dimaleate is a salt.

In vitro activity

To be determined

In vivo activity

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Macronutrient intakes, 2h and 12h, following administration of quipazine were examined in three groups of adult male and female Wistar rats. Quipazine injection reduced carbohydrate ingestion from corn starch-containing diets in male and female rats. This study found that the nature of the macronutrient source is important to assess the effect of a drug on nutrient-specific selection.

Reference: Appetite. 2000 Jun;34(3):313-25. <https://pubmed.ncbi.nlm.nih.gov/10888295/>

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*