Print Date: Jan 15th 2016

Certificate of Analysis

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Product Name: ***N*-Methylquipazine dimaleate** **Catalog No.: 0566** **Batch No.: 1**

CAS Number: 171205-17-7

IUPAC Name: 2-(1-*N*-Methylpiperazinyl)quinoline dimaleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{14}H_{17}N_3.(C_4H_4O_4)_2$

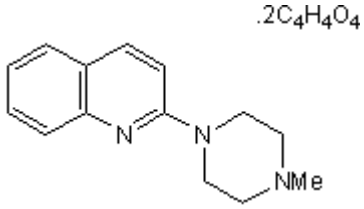
Batch Molecular Weight: 459.44

Physical Appearance: White crystalline solid

Solubility: water to 50 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 162 - 172°C

HPLC: Shows 99.9% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

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CAS Number: 171205-17-7

IUPAC Name: 2-(1-*N*-Methylpiperazinyl)quinoline dimaleate

Description:

5-HT_3 agonist. Has almost the same affinity for 5-HT_3 sites as quipazine but unlike the latter, does not bind to 5-HT_{1B} sites.

Physical and Chemical Properties:

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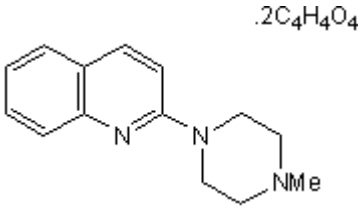

Storage: Store at RT

Solubility & Usage Info:

water to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Glennon *et al* (1989) Binding of arylpiperazines to 5-HT_3 serotonin receptors: results of a structure-affinity study. Eur.J.Pharmacol. ***168*** 387. PMID: 2583244.