

Product Name: CGS 12066B dimaleate

Catalog No.: 0638

Batch No.: 6

CAS Number: 109028-10-6

IUPAC Name: 7-Trifluoromethyl-4-(4-methyl-1-piperazinyl)pyrrolo[1,2-a]quinoxaline dimaleate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇F₃N₄.2C₄H₄O₄

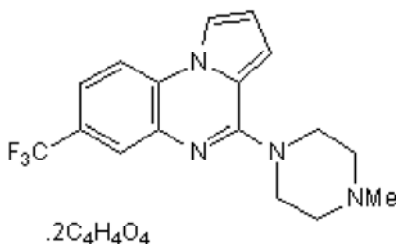
Batch Molecular Weight: 566.49

Physical Appearance: White solid

Solubility: water to 5 mM
DMSO to 40 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Ethyl acetate)

Melting Point: Greater than 126 - 127°C

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.01	4.45	9.89
Found	53.01	4.42	9.87

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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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Description:

5-HT_{1B} full agonist, 10-fold selective over 5-HT_{1A} and 1000-fold selective over 5-HT_{2C} receptors. Centrally active following systemic administration.

Physical and Chemical Properties:

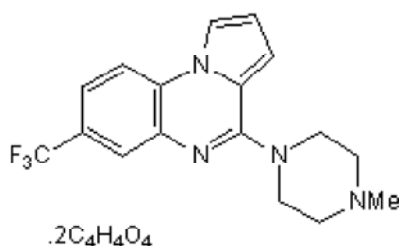
Batch Molecular Formula: C₁₇H₁₇F₃N₄.2C₄H₄O₄

Batch Molecular Weight: 566.49

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 5 mM

DMSO to 40 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:

Tomkins and O'Neill (2000) Effect of 5-HT_{1B} receptor ligands on self-administration of ethanol in an operant procedure in rats. *Pharmacol.Biochem.Behav.* **66** 129. PMID: 10837852.

Schoeffter and Hoyer (1989) Interaction of arylpiperazines with 5-HT_{1A}, 5-HT_{1B}, 5-HT_{1C} and 5-HT_{1D} receptors: do discriminatory 5-HT_{1B} receptor ligands exist? *Naunyn Schmiedebergs Arch.Pharmacol.* **339** 675. PMID: 2770889.

Neale et al (1987) Biochemical and pharmacological characterization of CGS 12066B, a selective serotonin-1B agonist. *Eur.J.Pharmacol.* **136** 1. PMID: 3496228.

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