Product Name: CGS 12066B dimaleate

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: \( \text{C}_{17}\text{H}_{17}\text{F}_3\text{N}_4.2\text{C}_4\text{H}_4\text{O}_4 \)

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:

\[
\begin{array}{c}
\text{F}_3\text{C} \\
\text{N} \\
\text{C} \end{array}
\]

2. ANALYTICAL DATA

TLC: \( R_f = 0.1 \) (Ethyl acetate)

Melting Point: Greater than 126 - 127°C

HPLC: Shows 100% purity

\(^1\text{H} \text{NMR:} \) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>53.01</td>
<td>4.45</td>
<td>9.89</td>
</tr>
<tr>
<td>Found</td>
<td>53.01</td>
<td>4.42</td>
<td>9.87</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
info@bio-techne.com
technicalsupport@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
Product Name: CGS 12066B dimaleate

CAS Number: 109028-10-6
IUPAC Name: 7-Trifluoromethyl-4-(4-methyl-1-piperazinyl)pyrrolo[1,2-a]-quinoxaline dimaleate

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

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{17}H\textsubscript{17}F\textsubscript{3}N\textsubscript{4}2C\textsubscript{2}H\textsubscript{4}O\textsubscript{4}
Batch Molecular Weight: 566.49
Physical Appearance: White solid

Minimum Purity: >98%

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