1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{20}\text{H}_{24}\text{ClN}_{3}\text{S.2C}_{4}\text{H}_{4}\text{O}_{4} \)
Batch Molecular Weight: 606.09
Physical Appearance: Off White solid
Solubility: DMSO to 25 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
\(^1\text{H NMR}:\) 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>55.49</td>
<td>5.32</td>
<td>6.93</td>
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<tr>
<td>Found</td>
<td>55.64</td>
<td>5.32</td>
<td>6.88</td>
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</tbody>
</table>

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

Product Name: Prochlorperazine dimaleate
Catalog No.: 3287
Batch No.: 2
EC Number: 201-511-3

Description:
D₂ receptor antagonist. Also interacts with 5-HT₃ and nAChR. Displays antipsychotic, antispasmodic, antiemetic and antinociceptive activity in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₀H₂₄ClN₅S.2C₄H₄O₄
Batch Molecular Weight: 606.09
Physical Appearance: Off White solid
Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 25 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: