Product Name: MK 212 hydrochloride

CAS Number: 61655-58-1
IUPAC Name: 6-Chloro-2-(1-piperazinyl)pyrazine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C8H11ClN4.HCl
Batch Molecular Weight: 235.12
Physical Appearance: White crystalline solid
Solubility: water to 50 mM with gentle warming
Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.45 \) (Dichloromethane:Methanol:Ammonia soln. [90:9:1])
Melting Point: Greater than 250°C
HPLC: Shows 100% purity
\(^1H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>40.87</td>
<td>5.14</td>
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<tr>
<td>Found</td>
<td>40.85</td>
<td>5.2</td>
</tr>
</tbody>
</table>
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Description:
5-HT receptor agonist; displays selectivity for 5-HT$_{2C}$ over 5-HT$_{2A}$ (IC$_{50}$ values are 0.028 and 0.42 μM for human 5-HT$_{2C}$ and 5-HT$_{2A}$ receptors expressed in HEK293 cells respectively).

Physical and Chemical Properties:
Batch Molecular Formula: C$_8$H$_{11}$ClN$_4$.HCl
Batch Molecular Weight: 235.12
Physical Appearance: White crystalline solid
Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
water to 50 mM with gentle warming

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: