Product Name: Cisapride
Catalog No.: 1695
Batch No.: 3
CAS Number: 81098-60-4
EC Number: 279-689-7
IUPAC Name: (±)-4-Amino-5-chloro-N-[1-[(3R*,4S*)-3-(4-fluorophenoxy)propyl]-3-methoxy-4-piperidinyl]-2-methoxybenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: $\text{C}_{23}\text{H}_{29}\text{ClFN}_3\text{O}_4\text{H}_2\text{O}$
   Batch Molecular Weight: 483.97
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   Storage: Store at RT

2. ANALYTICAL DATA

   HPLC: Shows 99.3% purity
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   
<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>57.08</td>
<td>56.94</td>
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<tr>
<td>Hydrogen</td>
<td>6.46</td>
<td>6.45</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>8.68</td>
<td>8.61</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
5-HT \textsubscript{4} receptor agonist and gastrokinetic agent. Stimulates intestinal acetylcholine release, possibly via 5-HT \textsubscript{4} receptor-dependent and -independent mechanisms, leading to increased intestinal motility.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{23}H\textsubscript{26}ClF\textsubscript{3}N\textsubscript{3}O\textsubscript{4}.H\textsubscript{2}O
Batch Molecular Weight: 483.97
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 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:
Briejer \textit{et al} (1993) Cisapride and a structural analogue, R 76,186, are 5-hydroxytryptamine \textsubscript{4} (5-HT\textsubscript{4}) receptor agonists on the guinea-pig colon ascendens. Naunyn Schmiedebergs Arch.Pharmacol. 347 464. PMID: 8321323.
