

Certificate of Analysis

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Product Name: Cisapride

Catalog No.: 1695

Batch No.: 2

CAS Number: 81098-60-4

IUPAC Name: (±)-4-Amino-5-chloro-N-[1-[(3*R**,4*S**)-3-(4-fluorophenoxy)propyl]-3-methoxy-4-piperidinyl]-2-methoxybenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₉ClFN₃O₄·H₂O

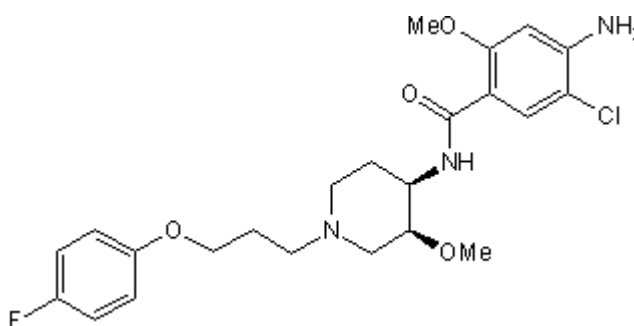
Batch Molecular Weight: 483.97

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.08	6.46	8.68
Found	57	6.54	8.58

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

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Description:

5-HT₄ receptor agonist and gastrokinetic agent. Stimulates intestinal acetylcholine release, possibly via 5-HT₄ receptor-dependent and -independent mechanisms, leading to increased intestinal motility.

Physical and Chemical Properties:

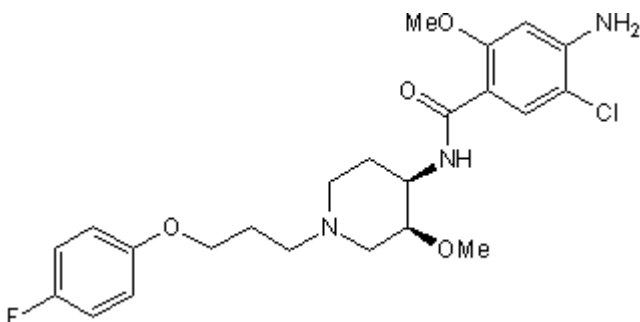
Batch Molecular Formula: C₂₃H₂₉ClFN₃O₄·H₂O

Batch Molecular Weight: 483.97

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



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 *et al* (1993) Cisapride and a structural analogue, R 76,186, are 5-hydroxytryptamine₄ (5-HT₄) receptor agonists on the guinea-pig colon ascendens. *Naunyn Schmiedebergs Arch.Pharmacol.* **347** 464. PMID: 8321323.

Taniyama *et al* (1991) Cisapride stimulates motility of the intestine via the 5-hydroxytryptamine receptors. *J.Pharmacol.Exp.Ther.* **258** 1098. PMID: 1890614.

Schuurkes *et al* (1985) Motor-stimulating properties of cisapride on isolated gastrointestinal preparations of the guinea pig. *J.Pharmacol.Exp.Ther.* **234** 775. PMID: 3897516.

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