

Product Name: Cinanserin hydrochloride

Catalog No.: 0460

Batch No.: 2

CAS Number: 54-84-2

IUPAC Name: *N*-[2-[[3-(Dimethylamino)propyl]thio]phenyl]-3-phenyl-2-propenamamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₄N₂OS.HCl. ¼H₂O

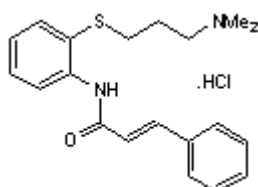
Batch Molecular Weight: 381.44

Physical Appearance: White solid

Solubility: water to 50 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.25 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.1])

Melting Point: Between 76 - 91°C

HPLC: Shows 99.5% purity

¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.97	6.74	7.34
Found	63.29	6.8	7.45

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

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Description:

5-HT₂ antagonist.

Physical and Chemical Properties:

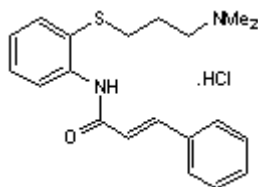
Batch Molecular Formula: C₂₀H₂₄N₂OS.HCl.¼H₂O

Batch Molecular Weight: 381.44

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 50 mM

CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival. Solutions should be made up as soon as the vial is opened.

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:

Leysen *et al* (1981) Receptor binding profile of R-41-468, a novel antagonist at 5HT₂ receptors. *Life Sci.* **28** 1015. PMID: 6261070.

Pierce *et al* (1992) Molecular structure basis of ligand selectivity for 5-HT₂ versus 5-HT_{1C} cortical receptors. *Naunyn Schmiedebergs Arch.Pharmacol.* **346** 4. PMID: 1407003.

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