

Product Name: Eltoprazine hydrochloride

Catalog No.: 1860

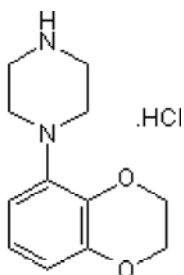
Batch No.: 1

CAS Number: 98206-09-8

IUPAC Name: 1-(2,3-Dihydro-1,4-benzodioxin-5-yl)-piperazine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₁₆N₂O₂.HCl
Batch Molecular Weight: 256.73
Physical Appearance: White solid
Solubility: water to 100 mM
 phosphate buffered saline to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.25 (Dichloromethane:Methanol [9:1])
Melting Point: Greater than 250°C(dec)
HPLC: Shows >98.7% purity
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.14	6.67	10.91
Found	55.94	6.92	10.88

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

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Description:

5-HT₁ and 5-HT_{2C} receptor partial agonist (K_i values are 40, 52 and 81 nM for 5-HT_{1A}, 5-HT_{1B} and 5-HT_{2C} receptors respectively). Reduces 5-HIAA levels in the striatum and exhibits antiaggressive behavior in vivo.

Physical and Chemical Properties:

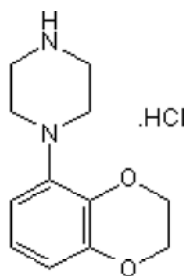
Batch Molecular Formula: C₁₂H₁₆N₂O₂.HCl

Batch Molecular Weight: 256.73

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

phosphate buffered saline 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.

Other Information:

INFORMATION FOR CUSTOMERS IN THE UK ONLY

This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References:

Gommans et al (1997) Discriminative stimulus properties of eltoprazine. *Life Sci.* **61** 11. PMID: 9200664.

Schipper et al (1990) Neurochemical profile of eltoprazine. *Drug Metabol. Drug Interact.* **8** 85. PMID: 1982626.

Miczek et al (1989) Brain 5-HT and inhibition of aggressive behavior in animals: 5-HIAA and receptor subtypes. *Psychopharmacol. Bull.* **25** 399. PMID: 2483273.

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