

Product Name: Ketotifen fumarate

Catalog No.: 0784

Batch No.: 8

CAS Number: 34580-14-8

EC Number: 252-100-0

IUPAC Name: 4,9-Dihydro-4-(1-methyl-4-piperidinylidene-10H-benzo[4,5]cyclohepta[1,2-b]thiophen-10-one fumarate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₉NOS.C₄H₄O₄

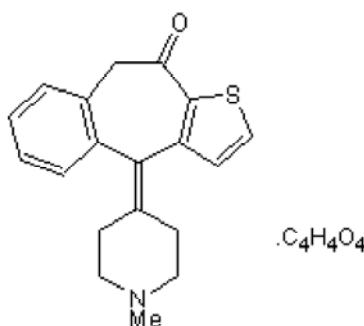
Batch Molecular Weight: 425.5

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	64.92	5.45	3.29
Found	65.05	5.32	3.35

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

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Description:

An H₁ receptor antagonist.

Physical and Chemical Properties:

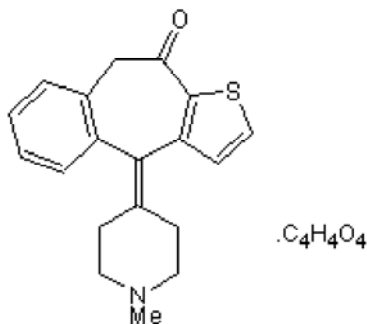
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Batch Molecular Weight: 425.5

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Abu-Dalu et al (1996) The actions of ketotifen on intestinal smooth muscles. *Eur.J.Pharmacol.* **309** 189. PMID: 8874138.

Martin and Römer (1978) The pharmacological properties of a new orally active antianaphylactic compound: ketotifen, a benzocycloheptathiophene. *Arzneimittelforschung* **28** 770. PMID: 35171.

Merck Index 5319.

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.

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