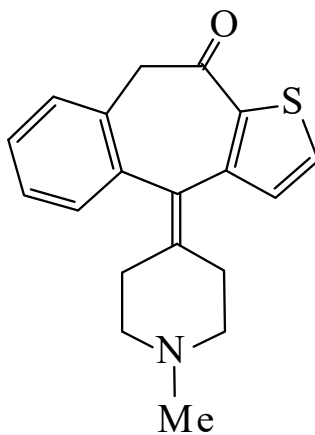




>>Entry Name: Ketotifen, BAN, INN

Synonym(s): 4,9-Dihydro-4-(1-methyl-4-piperidinylidene)-10*H*-benzo[4,5]cyclohepta[1,2-*b*]thiophen-10-one, 9Cl. Airvitess. Astifat. Ketasma. Ketof. Zaditen. Zatofug



CAS Registry Number: 34580-13-7

Molecular Formula: C₁₉H₁₉NOS

Molecular Weight: 309.431

Accurate Mass: 309.118734

Percentage Composition: C 73.75%; H 6.19%; N 4.53%; O 5.17%; S 10.36%

Biological Use/Importance: Antihistamine. Used for the treatment of ocular itch

Physical Description: Cryst. (EtOAc)

Development Status: Marketed drug. Approved by the FDA (1999)

Melting Point: Mp 152-153°

Calculated Log P Data: Log P 3.61 (uncertain value) (calc)

>>Derivative: Fumarate (1:1)

Synonym(s): Ketotifen fumarate, JAN, USAN. Zaditen[†]. Zaditor

CAS Registry Number: 34580-14-8

Melting Point: Mp 192 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 360 mg/kg. Exp. reprod. and teratogenic effects

Sigma: K2628

References:

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Mikotić-Mihun, Z. *et al.*, *Anal. Profiles Drug Subst.*, 1984, **13**, 239, (*rev*)
Craps, L.P. *et al.*, *Respiration*, 1984, **45**, 411, (*rev*)
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