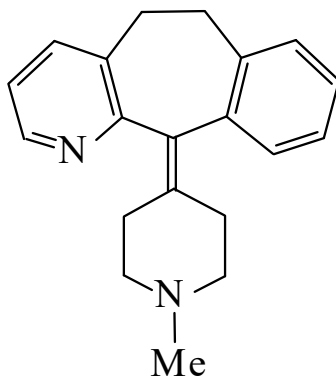




>>>Entry Name: Azatadine, BAN, INN

Synonym(s): 6,11-Dihydro-11-(1-methyl-4-piperidinylidene)-5H-benzo[5,6]-cyclohepta[1,2-*b*]pyridine, 9Cl, 8Cl



CAS Registry Number: 3964-81-6

Molecular Formula: C₂₀H₂₂N₂

Molecular Weight: 290.407

Accurate Mass: 290.178298

Percentage Composition: C 82.72%; H 7.64%; N 9.65%

Use/Importance: Histamine H₁-receptor antagonist

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 124-126°

Calculated Log P Data: Log P 3.58 (calc)

>>>Derivative: Maleate (1:2)

Synonym(s): Azatadine maleate, USAN. Bonamid. Idulian. Lergocid. Nalomet. Optimine. Trinalin. Zadine. Sch 10649

CAS Registry Number: 3978-86-7

Physical Description: Cryst. (EtOAc/MeOH)

Melting Point: Mp 152-154°

Hazard & Toxicity: LD₅₀ (rat, orl) 440 mg/kg

References:

U.S. Pat., 1967, 3 357 986; *CA*, **69**, 27262y, (*synth*)

Villani, F.J. *et al.*, *J. Med. Chem.*, 1972, **15**, 750, (*pharmacol*)

Yanagita, T. *et al.*, *CA*, 1976, **84**, 38611, (*pharmacol*)

Niemegeers, C.J.E. *et al.*, *Drug Dev. Res.*, 1982, **2**, 559, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 931

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DLV800