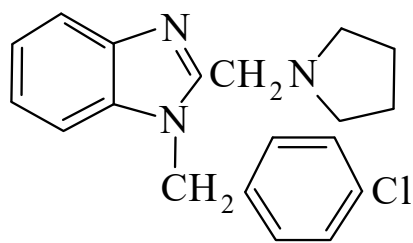




>>Entry Name: Clemizole, BAN, INN

ENTRY UNDER REVIEW

Synonym(s): 1-[(4-Chlorophenyl)methyl]-2-(1-pyrrolidinylmethyl)-1*H*-benzimidazole, 9Cl. 1-*p*-Chlorobenzyl-2-(1-pyrrolidinomethyl)benzimidazole, 8Cl



CAS Registry Number: 442-52-4

Molecular Formula: C₁₉H₂₀ClN₃

Molecular Weight: 325.84

Accurate Mass: 325.134574

Percentage Composition: C 70.04%; H 6.19%; Cl 10.88%; N 12.90%

Use/Importance: Histamine H₁-receptor antagonist. Antipruritic, sedative

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 167°

Calculated Log P Data: Log P 4.55 (calc)

>>Derivative: Hydrochloride

Synonym(s): Allercur. Histacur. Many other names

CAS Registry Number: 1163-36-6

Melting Point: Mp 246°

Solubility: Insol. Et₂O, sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 1950 mg/kg

Aldrich: 34208-4

Sigma: C5040

>>Derivative: Compd. with Penicillin G (1:1)

Synonym(s): Clemizole penicillin, BAN, INN. Neopenyl

CAS Registry Number: 6011-39-8

Use/Importance: Depot antibiotic

Physical Description: Powder

Melting Point: Mp 144-145 dec.°

Optical Rotation: [α]_D²⁴+144.5 (c, 10 in DMF)

References:

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