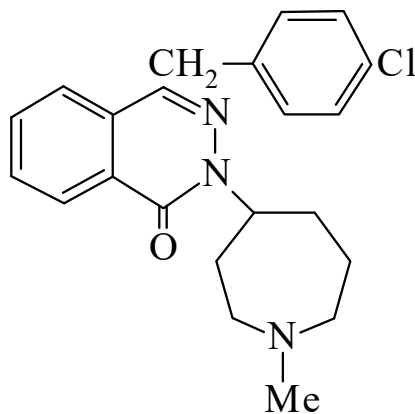




>>Entry Name: Azelastine, BAN, INN

Synonym(s): 4-[(4-Chlorophenyl)methyl]-2-(hexahydro-1-methyl-1*H*-azepin-4-yl)-1(2*H*)-phthalazinone, 9Cl. A 5610. E 0659. W 2979M



CAS Registry Number: 58581-89-8

Related CAS Registry Numbers(s): 37932-96-0 116668-26-9 143228-84-6 143228-85-7 153408-27-6 153408-28-7

Molecular Formula: C₂₂H₂₄ClN₃O

Molecular Weight: 381.904

Accurate Mass: 381.160789

Percentage Composition: C 69.19%; H 6.33%; Cl 9.28%; N 11.00%; O 4.19%

Use/Importance: Histamine H₁-receptor antagonist and mediator release inhibitor. Antiasthmatic agent.

Development Status: Launched 1986

Calculated Log P Data: Log P 4.03 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 310 mg/kg. LD₅₀ (rat, ivn) 26.9 mg/kg

>>Variant: (±)-form

Molecular Formula: C₂₂H₂₄ClN₃O

Molecular Weight: 381.904

Accurate Mass: 381.160789

Percentage Composition: C 69.19%; H 6.33%; Cl 9.28%; N 11.00%; O 4.19%

>>Derivative: Hydrochloride

Synonym(s): Azelastine hydrochloride, JAN, USAN. Azeptin. Astelin. Azel. Lasticom. Rhinolast. Many other names

CAS Registry Number: 79307-93-0

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 225-229°

Hazard & Toxicity: LD₅₀ (rat, orl) 580 mg/kg. LD₅₀ (rat, ivn) 246 mg/kg. Exp. reprod. and teratogenic effects

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