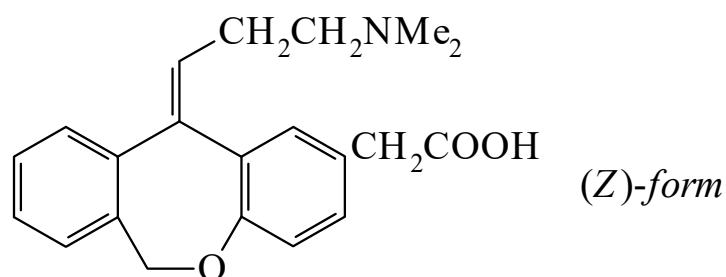




>>Entry Name: Olopatadine, INN

Synonym(s): 11-[3-(Dimethylamino)propylidene]-6,11-dihydrodibenz[*b,e*]oxepin-2-acetic acid, 9Cl



Related CAS Registry Numbers(s): 113806-06-7

Molecular Formula: C₂₁H₂₃NO₃

Molecular Weight: 337.418

Accurate Mass: 337.167794

Percentage Composition: C 74.75%; H 6.87%; N 4.15%; O 14.23%

Use/Importance: Mediator release inhibitor and histamine H₁-receptor antagonist. Antiallergic agent. Used in the treatment of allergic rhinitis, urticaria, allergic conjunctivitis and asthma

Development Status: Approved by FDA (1996)

>>Variant: (Z)-form

CAS Registry Number: 113806-05-6

Molecular Formula: C₂₁H₂₃NO₃

Molecular Weight: 337.418

Accurate Mass: 337.167794

Percentage Composition: C 74.75%; H 6.87%; N 4.15%; O 14.23%

>>Derivative: Hydrochloride

Synonym(s): Olopatadine hydrochloride, USAN. KW 4679. AL 4943A

CAS Registry Number: 140462-76-6

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 248 dec.°

References:

- Eur. Pat.*, 1987, *Kyowa Hakko Kogyo*, 235 796; *CA*, **108**, 167330, (*synth, pharmacol*)
Oshima, E. *et al.*, *J. Med. Chem.*, 1992, **35**, 2074, (*synth, cryst struct, pharmacol*)
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Ikemura, T. *et al.*, *Int. Arch. Allergy Appl. Immunol.*, 1996, **110**, 57; 64, (*pharmacol*)
Sharif, N.A. *et al.*, *J. Pharmacol. Exp. Ther.*, 1996, **278**, 1252, (*pharmacol*)