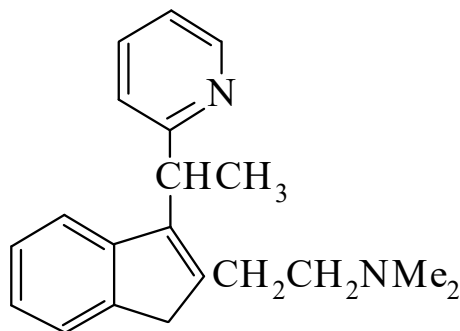




>>Entry Name: Dimetindene, INN

Synonym(s): *N,N*-Dimethyl-3-[1-(2-pyridinyl)ethyl]-1*H*-indene-2-ethanamine, 9Cl. 2-[1-[2-(2-Dimethylaminoethyl)inden-3-yl]ethyl]pyridine, 8Cl. Dimethpyrindene. Dimethylpyrindene. Dimethindene, BAN



CAS Registry Number: 5636-83-9

Type of Compound Code(s): XA4510

Molecular Formula: C₂₀H₂₄N₂

Molecular Weight: 292.423

Accurate Mass: 292.193948

Percentage Composition: C 82.15%; H 8.27%; N 9.58%

Use/Importance: Histamine H₁-receptor antagonist, antipruritic agent

Hazard & Toxicity: LD₅₀ (rat, orl) 618 mg/kg

>>Variant: (+)-form

Molecular Formula: C₂₀H₂₄N₂

Molecular Weight: 292.423

Accurate Mass: 292.193948

Percentage Composition: C 82.15%; H 8.27%; N 9.58%

>>Derivative: Maleate

Melting Point: Mp 130-132°

Optical Rotation: [α]_D²⁶+125.7 (H₂O)

>>Derivative: Tartrate

Optical Rotation: [α]_D²²+113.9 (EtOH). [α]_D²²+78.6 (H₂O)

>>Variant: (–)-form

Molecular Formula: C₂₀H₂₄N₂

Molecular Weight: 292.423

Accurate Mass: 292.193948

Percentage Composition: C 82.15%; H 8.27%; N 9.58%

Use/Importance: The more active enantiomer

>>Derivative: Maleate

Melting Point: Mp 128-130°

Optical Rotation: [α]_D²⁶–166.8 (EtOH)

>>Derivative: Tartrate

Melting Point: Mp 142-143°

Optical Rotation: [α]_D²⁷–77.8 (H₂O)

>>Variant: (±)-form

Molecular Formula: C₂₀H₂₄N₂

Molecular Weight: 292.423

Accurate Mass: 292.193948

Percentage Composition: C 82.15%; H 8.27%; N 9.58%

Physical Description: Oil

Boiling Point: Bp_{0.5} 165-175°