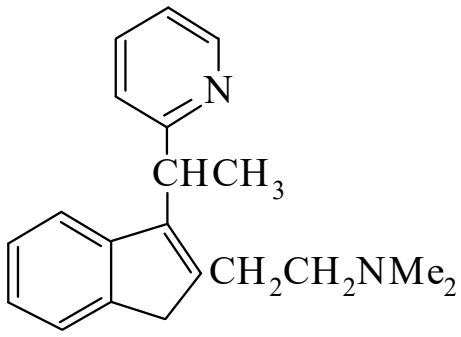
>>**Entry Name: Dimetindene,** INN
Synonym(s): *N,N*-Dimethyl-3-[1-(2-pyridinyl)ethyl]-1*H*-indene-2-ethanamine, 9CI. 2-[1-[2-(2-Dimethylaminoethyl)inden-3-yl]ethyl]pyridine, 8CI. Dimethpyrindene. Dimethylpyrindene. Dimethindene, BAN



CAS Registry Number: 5636-83-9
Type of Compound Code(s): XA4510

Molecular Formula: $C_{20}H_{24}N_2$
Molecular Weight: 292.423
Accurate Mass: 292.193948
Percentage Composition: C 82.15%; H 8.27%; N 9.58%
Use/Importance: Histamine H_1-receptor antagonist, antipruritic agent
Hazard & Toxicity: LD_{50} (rat, orl) 618 mg/kg

>>**Variant:** (+)-form

Molecular Formula: $C_{20}H_{24}N_2$
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: $[\alpha]_D^{26}$+125.7 (H_2O)

>>**Derivative:** Tartrate

Optical Rotation: $[\alpha]_D^{22}$+113.9 (EtOH). $[\alpha]_D^{22}$+78.6 (H_2O)

>>**Variant:** (–)-form

Molecular Formula: $C_{20}H_{24}N_2$
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: $[\alpha]_D^{26}$–166.8 (EtOH)

>>**Derivative:** Tartrate

Melting Point: Mp 142-143°
Optical Rotation: $[\alpha]_D^{27}$–77.8 (H_2O)

>>**Variant:** (±)-form

Molecular Formula: $C_{20}H_{24}N_2$
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°

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