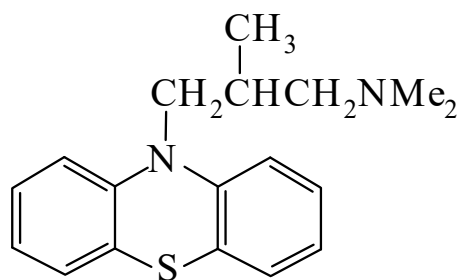




>>Entry Name: Alimemazine, INN

Synonym(s): *N,N*,β-Trimethyl-10*H*-phenothiazine-10-propanamine, 9Cl. 10-[3-(Dimethylamino)-2-methylpropyl]phenothiazine, 8Cl. **Trimeprazine**, BAN. Vallergan. Many other names



CAS Registry Number: 84-96-8

Molecular Formula: C₁₈H₂₂N₂S

Molecular Weight: 298.451

Accurate Mass: 298.150368

Percentage Composition: C 72.44%; H 7.43%; N 9.39%; S 10.74%

Use/Importance: Histamine H₁-receptor antagonist. Tranquilliser

Calculated Log P Data: Log P 4.75 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 210 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₈H₂₂N₂S

Molecular Weight: 298.451

Accurate Mass: 298.150368

Percentage Composition: C 72.44%; H 7.43%; N 9.39%; S 10.74%

Melting Point: Mp 68°

Boiling Point: Bp_{0.3} 150-175°

>>Derivative: Hydrochloride

Melting Point: Mp 216-217 dec.°

>>Derivative: Maleate

Melting Point: Mp 187°

>>Derivative: Tartrate (2:1)

Synonym(s): Trimeprazine tartrate, USAN. Alimemazine tartrate, JAN. Temaril

CAS Registry Number: 4330-99-8

Sigma: T3271

>>Derivative: *S,S*-Dioxide

Synonym(s): **Oxomemazine**, INN. Dysedon. Parfegan. RP 6847

CAS Registry Number: 3689-50-7

Molecular Formula: C₁₈H₂₂N₂O₂S

Molecular Weight: 330.45

Accurate Mass: 330.140198

Percentage Composition: C 65.43%; H 6.71%; N 8.48%; O 9.68%; S 9.70%

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

Physical Description: Cryst. (heptane)

Melting Point: Mp 115°

Calculated Log P Data: Log P 3.17 (calc)