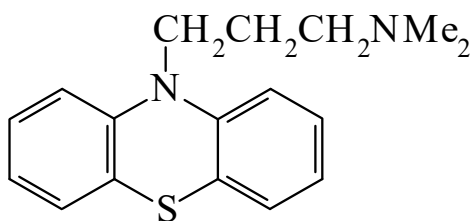




>>Entry Name: Promazine, BAN, INN

Synonym(s): *N,N*-Dimethyl-10*H*-phenothiazine-10-propanamine, 9Cl. 10-[3-(Dimethylamino)propyl]phenothiazine. Esparinal. Verophen



CAS Registry Number: 58-40-2

Related CAS Registry Numbers(s): 4701-69-3 15421-37-1

Molecular Formula: C₁₇H₂₀N₂S

Molecular Weight: 284.424

Accurate Mass: 284.134718

Percentage Composition: C 71.79%; H 7.09%; N 9.85%; S 11.27%

Use/Importance: Tranquilliser. Used for photometric detn. of Ce(IV) and As(III) (indirectly), NO₂⁽⁻⁾ [oxidation by Ce(IV)]

Physical Description: Oily liq.

Boiling Point: Bp_{0.3} 203-210°

Calculated Log P Data: Log P 4.35 (calc)

Other Data: Also marketed as embonate

Hazard & Toxicity: LD₅₀ (rat, orl) 350 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Promazine hydrochloride, USAN. Prazine. Propazium. Protactyl. Propazin. Talofen

CAS Registry Number: 53-60-1

Physical Description: White-yellow hygroscopic cryst.

Melting Point: Mp 177-181 dec.°

Solubility: Insol. Et₂O, C₆H₆

pKa Value: pK_a 9.52 (20°)

Hazard & Toxicity: LD₅₀ (rat, orl) 400 mg/kg

Sigma: P6656

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