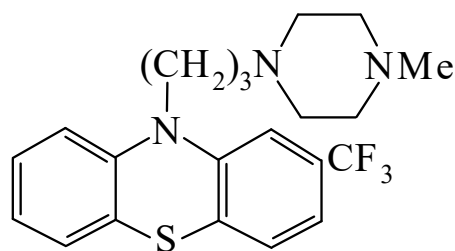




>>>Entry Name: Trifluoperazine, BAN, INN

Synonym(s): 10-[3-(4-Methyl-1-piperazinyl)propyl]-2-(trifluoromethyl)-10*H*-phenothiazine, 9Cl. Trifluoroperazine. Trifluperazine. Triphthazinum. Many other names



CAS Registry Number: 117-89-5

Molecular Formula: C₂₁H₂₄F₃N₃S

Molecular Weight: 407.502

Accurate Mass: 407.164301

Percentage Composition: C 61.90%; H 5.94%; F 13.99%; N 10.31%; S 7.87%

Use/Importance: Potassium channel (IK_{Ca}) blocker. Tranquilliser, antiemetic, neuroleptic agent

Boiling Point: Bp_{0.7} 202-210°

Calculated Log P Data: Log P 6.49 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 175 mg/kg. Exp. reprod. effects

>>>Derivative: Hydrochloride (1:2)

Synonym(s): Trifluoperazine hydrochloride, USAN. Stelazine

CAS Registry Number: 440-17-5

Use/Importance: Used as a 0.25% aq. soln. for photometric detn. of Os (λ_{max} 502 nm, ε 16700)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 242-243°

Solubility: Sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 543 mg/kg

Aldrich: 28388-6

Fluka: 91665

Sigma: T8516

>>>Derivative: Maleate

Synonym(s): Asterfenazine

CAS Registry Number: 605-75-4

Hazard & Toxicity: LD₅₀ (mus, orl) 1150 mg/kg

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