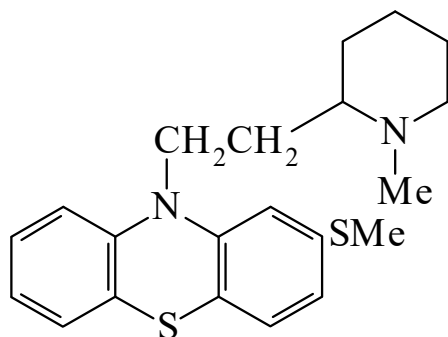




>>Entry Name: Thioridazine, BAN, INN, JAN, USAN

Synonym(s): 10-[2-(1-Methyl-2-piperidiny)ethyl]-2-(methylthio)-10*H*-phenothiazine, 9Cl. Mellaril. Many other names



CAS Registry Number: 50-52-2

Related CAS Registry Numbers(s): 52496-67-0 83708-18-3 83708-19-4 114488-10-7

Molecular Formula: C₂₁H₂₆N₂S₂

Molecular Weight: 370.582

Accurate Mass: 370.153738

Percentage Composition: C 68.06%; H 7.07%; N 7.56%; S 17.31%

Use/Importance: Tranquilliser, neuroleptic agent

Hazard & Toxicity: Human and exp. reprod. effects. LD₅₀ (rat, orl) 995 mg/kg

>>Variant: (–)-form

Molecular Formula: C₂₁H₂₆N₂S₂

Molecular Weight: 370.582

Accurate Mass: 370.153738

Percentage Composition: C 68.06%; H 7.07%; N 7.56%; S 17.31%

Melting Point: Mp 60-62°

Optical Rotation: [α]_D²⁰ –21 (c, 1 in EtOH)

>>Derivative: Fumarate

Melting Point: Mp 143-145°

Optical Rotation: [α]_D²⁰ –16 (c, 1 in Py)

>>Variant: (±)-form

CAS Registry Number: 57129-06-3

Molecular Formula: C₂₁H₂₆N₂S₂

Molecular Weight: 370.582

Accurate Mass: 370.153738

Percentage Composition: C 68.06%; H 7.07%; N 7.56%; S 17.31%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 72-74°

Boiling Point: Bp_{0.02} 230°

Calculated Log P Data: Log P 6.42 (calc)

>>Derivative: Hydrochloride

Synonym(s): Mellaril hydrochloride

CAS Registry Number: 130-61-0

Use/Importance: Used as a 0.2% aq. soln. for photometric detn. of Pd (λ_{max} 490 nm, ε 3680)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 158-160°

Solubility: Sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 1060 mg/kg

Aldrich: 25770-2

Sigma: T9025

>>Derivative: Fumarate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 158-160°