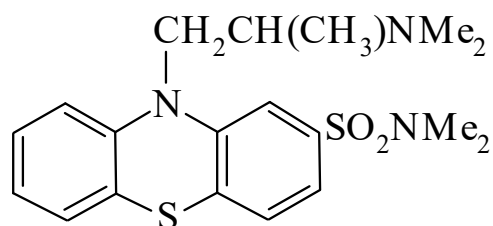




>>Entry Name: **Dimetotiazine**, INN

Synonym(s): 10-[2-(Dimethylamino)propyl]-*N,N*-dimethyl-10*H*-phenothiazine-2-sulfonamide, 9Cl. **Dimethothiazine**, BAN. Fonazine. Many other names



CAS Registry Number: 7456-24-8

Type of Compound Code(s): XA4635

Molecular Formula: C₁₉H₂₅N₃O₂S₂

Molecular Weight: 391.557

Accurate Mass: 391.138817

Percentage Composition: C 58.28%; H 6.44%; N 10.73%; O 8.17%; S 16.38%

Use/Importance: Drug used for treatment of migraine. Antihistamine and 5-hydroxytryptamine inhibitor

Calculated Log P Data: Log P 4.32 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 740 mg/kg. Exp. reprod. effects

>>Variant: (±)-form

Molecular Formula: C₁₉H₂₅N₃O₂S₂

Molecular Weight: 391.557

Accurate Mass: 391.138817

Percentage Composition: C 58.28%; H 6.44%; N 10.73%; O 8.17%; S 16.38%

Melting Point: Mp 44-48°

>>Derivative: Hydrochloride

CAS Registry Number: 34396-64-0

Melting Point: Mp 214 dec.°

>>Derivative: Methanesulfonate

Synonym(s): **Fonazine mesylate**, USAN. Dimetotiazine mesilate, JAN

CAS Registry Number: 7455-39-2

Melting Point: Mp 178-182°

Solubility: Sol. H₂O, EtOH, spar. sol. CHCl₃, insol. Et₂O

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Julou, L. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **159**, 70; 1968, **171**, 449, (*pharmacol, metab*)

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