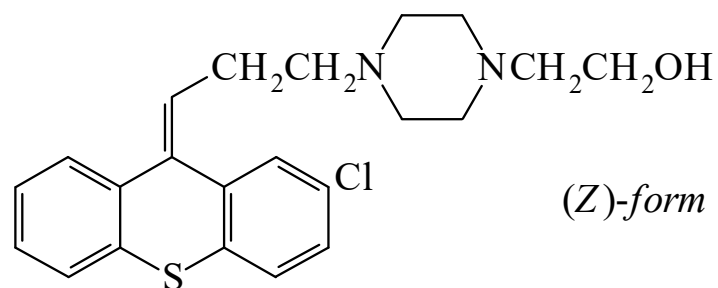




>>>Entry Name: Clopenthixol, BAN, INN, USAN

Synonym(s): 4-[3-(2-Chloro-9*H*-thioxanthen-9-ylidene)propyl]-1-piperazineethanol, 9Cl, 8Cl. 2-Chloro-9-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propylidene]thioxanthene. Chlorpenthixol



CAS Registry Number: 982-24-1

Related CAS Registry Numbers(s): 27891-48-1 53772-84-2 55455-78-2 58045-22-0 77736-45-9

Molecular Formula: C₂₂H₂₅ClN₂OS

Molecular Weight: 400.971

Accurate Mass: 400.13761

Percentage Composition: C 65.90%; H 6.28%; Cl 8.84%; N 6.99%; O 3.99%; S 8.00%

General Statement: Originally used as mixt. of *E*- and *Z*-isomers. *Z*-isomer has greater pharmacological activity

Use/Importance: Tranquilliser, antipsychotic agent, used in the management of schizophrenia

Calculated Log P Data: Log P 5.75 (calc)

>>>Derivative: Hydrochloride (1:2)

Synonym(s): Sordinol. N 746. Clopixol. NSC 64087. AY 62021. Ciatyl

CAS Registry Number: 633-59-0

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 257-258°

Solubility: V. sol. H₂O; insol. org. solvents

Hazard & Toxicity: LD₅₀ (rat, orl) 660 mg/kg

>>>Derivative: Decanoyl

Synonym(s): Sordinol depot. Clopixol injection

CAS Registry Number: 55501-05-8

Molecular Formula: C₃₂H₄₃ClN₂O₂S

Molecular Weight: 555.223

Accurate Mass: 554.273375

Percentage Composition: C 69.22%; H 7.81%; Cl 6.39%; N 5.05%; O 5.76%; S 5.78%

Other Data: Slow release drug

>>>Derivative: Acetate

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 237-240°

>>>Variant: (Z)-form

Synonym(s): Zuclopenthixol, BAN, INN. Z-Clopenthixol. Cisordinol. α-Clopenthixol

CAS Registry Number: 53772-83-1

Molecular Formula: C₂₂H₂₅ClN₂OS

Molecular Weight: 400.971

Accurate Mass: 400.13761

Percentage Composition: C 65.90%; H 6.28%; Cl 8.84%; N 6.99%; O 3.99%; S 8.00%

Use/Importance: Antipsychotic agent

Physical Description: Cryst. (Et₂O)

Development Status: Launched 1987

Melting Point: Mp 84-85°

Other Data: Pharmacol. active isomer

>>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 58045-23-1