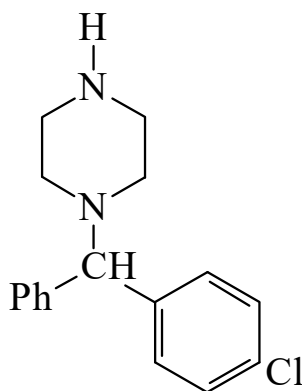




>>Entry Name: Norchlorcyclizine

Synonym(s): 1-[(4-Chlorophenyl)phenylmethyl]piperazine, 9Cl. 1-(*p*-Chloro- α -phenylbenzyl)piperazine, 8Cl. 1-(*p*-Chlorobenzhydryl)piperazine



CAS Registry Number: 303-26-4

Related CAS Registry Numbers(s): 18719-22-7 130018-88-1 130018-90-5

Molecular Formula: C₁₇H₁₉ClN₂

Molecular Weight: 286.803

Accurate Mass: 286.123675

Percentage Composition: C 71.19%; H 6.68%; Cl 12.36%; N 9.77%

Source/Synthesis: Inactive metab. of Chlorcyclizine [CXQ51-Q](#) and Hydroxyzine [FLW20-L](#)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

Aldrich: C2450-7

>>Variant: (–)-form

Molecular Formula: C₁₇H₁₉ClN₂

Molecular Weight: 286.803

Accurate Mass: 286.123675

Percentage Composition: C 71.19%; H 6.68%; Cl 12.36%; N 9.77%

Melting Point: Mp 90-92°

Optical Rotation: $[\alpha]_D^{25}$ –19.4 (c, 1 in toluene)

>>Variant: (±)-form

CAS Registry Number: 130018-84-7

Molecular Formula: C₁₇H₁₉ClN₂

Molecular Weight: 286.803

Accurate Mass: 286.123675

Percentage Composition: C 71.19%; H 6.68%; Cl 12.36%; N 9.77%

Melting Point: Mp 65-70°

Boiling Point: Bp₁ 175-180°

References:

Morren, H.G. *et al.*, *Bull. Soc. Chim. Belg.*, 1951, **60**, 282, (*synth*)

Kuntzman, R. *et al.*, *Ann. N.Y. Acad. Sci.*, 1973, **226**, 131, (*metab*)

Yung, D.K. *et al.*, *J. Pharm. Sci.*, 1978, **67**, 900, (*synth*)

U.K. Pat., 1990, *UCB*, 2 225 321; *CA*, **113**, 191396t, (*synth, isomers*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, NNK500