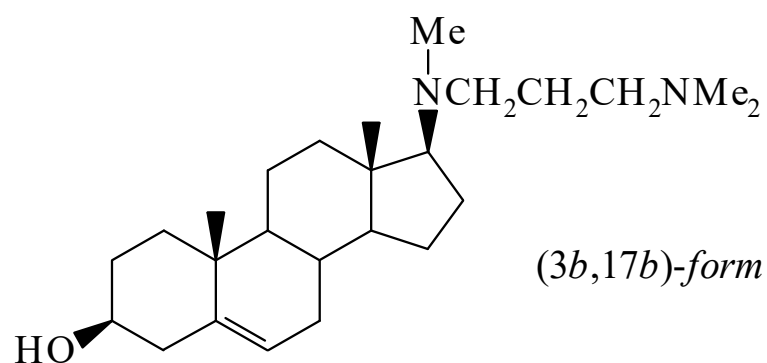




>>Entry Name: 17-[[3-(Dimethylamino)propyl]methylamino]androst-5-en-3-ol, 9Cl, 8Cl

Synonym(s): 20,25-Diazacholest-5-en-3-ol



Molecular Formula: C₂₅H₄₄N₂O

Molecular Weight: 388.635

Accurate Mass: 388.345363

Percentage Composition: C 77.26%; H 11.41%; N 7.21%; O 4.12%

>>Variant: (3β,17α)-form

CAS Registry Number: 29477-33-6

Molecular Formula: C₂₅H₄₄N₂O

Molecular Weight: 388.635

Accurate Mass: 388.345363

Percentage Composition: C 77.26%; H 11.41%; N 7.21%; O 4.12%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 85-87°

Optical Rotation: [α]_D -93.3 (CHCl₃)

>>Variant: (3β,17β)-form

Synonym(s): Azacosterol, INN. Azasterol. Diazasterol. Diazacholesterol. DAC. IMD 760. SC 12937

CAS Registry Number: 313-05-3

Type of Compound Code(s): AJ0250 XA1645

Molecular Formula: C₂₅H₄₄N₂O

Molecular Weight: 388.635

Accurate Mass: 388.345363

Percentage Composition: C 77.26%; H 11.41%; N 7.21%; O 4.12%

Use/Importance: Hypocholesteremic agent; avian chemosterilant. Cholesterol biosynthesis inhibitor

Physical Description: Cryst. (Me₂CO/MeOH)

Melting Point: Mp 146-148°

Optical Rotation: [α]_D²⁵ -54.5 (CHCl₃)

Calculated Log P Data: Log P 3.85 (uncertain value) (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): Azacosterol hydrochloride, USAN. Ornitrol

CAS Registry Number: 1249-84-9

Optical Rotation: [α]_D -32

Hazard & Toxicity: LD₅₀ (rat, orl) 470 mg/kg. LD₅₀ (rat, ipr) 60 mg/kg. Exp. reprod. effects

References:

Counsell, R.E. *et al.*, *J. Med. Chem.*, 1962, **5**, 1224, (*synth*, 3β,17β-form)

Klimstra, P.D. *et al.*, *J. Med. Chem.*, 1966, **9**, 323, (*synth*, *pharmacol*)

Ranade, V.V. *et al.*, *J. Med. Chem.*, 1971, **14**, 38, (*synth*, *pmr*, 3β,17α-form)

Emmons, G.T. *et al.*, *Biomed. Mass Spectrom.*, 1982, **9**, 278, (*pharmacol*)

Sinha Hikim, A.P. *et al.*, *J. Androl.*, 1986, **7**, 277, (*reprod. tox*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ARX800