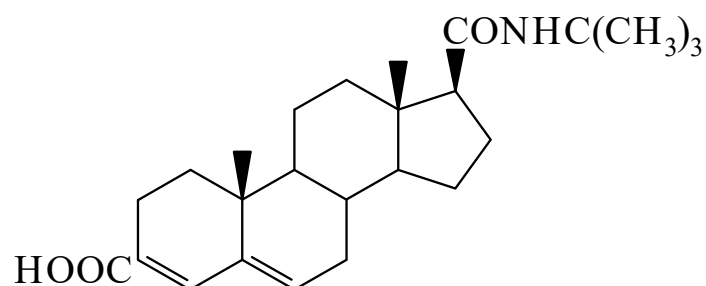




>>Entry Name: Epristeride, BAN, INN, USAN

Synonym(s): 17-[[[(1,1-Dimethylethyl)amino]carbonyl]androsta-3,5-diene-3-carboxylic acid, 9Cl. 17-(*N*-*tert*-Butylcarbamoyl)androsta-3,5-diene-3-carboxylic acid. SKF 105657



CAS Registry Number: 119169-78-7

Molecular Formula: C₂₅H₃₇NO₃

Molecular Weight: 399.572

Accurate Mass: 399.277344

Percentage Composition: C 75.15%; H 9.33%; N 3.51%; O 12.01%

Use/Importance: 5 α -Reductase inhibitor. Used in the treatment of benign prostatic hypertrophy

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 242-249°

Optical Rotation: $[\alpha]_D^{25} -127.9$ (c, 1 in MeOH)

Calculated Log P Data: Log P 5.04 (uncertain value) (calc)

>>Derivative: Me ester

CAS Registry Number: 119169-79-8

Molecular Formula: C₂₆H₃₉NO₃

Molecular Weight: 413.599

Accurate Mass: 413.292994

Percentage Composition: C 75.50%; H 9.50%; N 3.39%; O 11.61%

Physical Description: No phys. props. reported

References:

- Eur. Pat.*, 1988, *Smith Kline Beckman*, 289 327; *CA*, **110**, 115186x, (*synth, pharmacol*)
Metcalf, B.W. *et al.*, *Bioorg. Chem.*, 1989, **17**, 372; 1991, **19**, 245, (*activity*)
Holt, D.A. *et al.*, *J. Med. Chem.*, 1990, **33**, 943, (*synth, pharmacol*)
Lamb, J.C. *et al.*, *Endocrinology (Baltimore)*, 1992, **130**, 685, (*activity*)
Boppana, V.K. *et al.*, *J. Chromatogr.*, 1993, **631**, 251, (*hplc*)
Levy, M.A. *et al.*, *J. Steroid Biochem. Mol. Biol.*, 1994, **48**, 197, (*activity*)
Baine, N.H. *et al.*, *J.O.C.*, 1994, **59**, 5987, (*synth*)