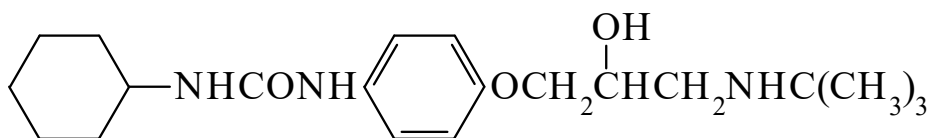




>>Entry Name: Talinolol, INN

Synonym(s): *N*-Cyclohexyl-*N'*-[4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]urea, 9Cl. 1-[4-[3-(*tert*-Butylamino)-2-hydroxypropoxy]phenyl]-3-cyclohexylurea. Cordanum



Related CAS Registry Numbers(s): 71369-59-0 71369-60-3

Molecular Formula: C₂₀H₃₃N₃O₃

Molecular Weight: 363.499

Accurate Mass: 363.252192

Percentage Composition: C 66.09%; H 9.15%; N 11.56%; O 13.20%

Use/Importance: β-Adrenergic blocking agent

Calculated Log P Data: Log P 3.15 (calc)

Other Data: Enantiomers known, (-)-form more pharmacol. active

Hazard & Toxicity: LD₅₀ (rat, ivn) 30 mg/kg

>>Variant: (±)-form

CAS Registry Number: 57460-41-0

Molecular Formula: C₂₀H₃₃N₃O₃

Molecular Weight: 363.499

Accurate Mass: 363.252192

Percentage Composition: C 66.09%; H 9.15%; N 11.56%; O 13.20%

Calculated Log P Data: Log P 4.44 (calc)

References:

- Femmer, K. *et al.*, *Pharmazie*, 1975, **30**, 642, (*tox, pharmacol*)
Swiss Pat., 1975, *Ciba-Geigy*, 566 302; *CA*, **84**, 73947h, (*synth, pharmacol*)
Poetter, H. *et al.*, *J. Chromatogr.*, 1982, **241**, 189, (*hplc*)
Femmer, K. *et al.*, *Pharmazie*, 1982, **37**, 505, (*isomers*)
Terhaag, B. *et al.*, *Pharmazie*, 1983, **38**, 568, (*pharmacol*)
Vandenbosch, C. *et al.*, *J. Pharm. Biomed. Anal.*, 1992, **10**, 895, (*hplc*)
Beta-blockers in Clinical Practice, (Eds. Cruickshank, J.M. *et al.*), 2nd edn., Churchill Livingstone, 1994, 1105, (*book*)
Oertel, R. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **660**, 353, (*metab, hplc*)