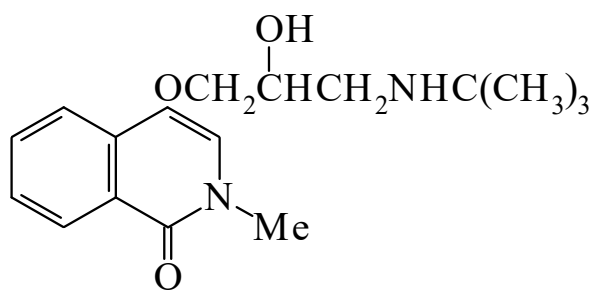




>>Entry Name: Tilisolol, INN

Synonym(s): 4-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-2-methyl-1(2*H*)-isoquinolinone, 9Cl. 4-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-2-methylisocarbostyryl



CAS Registry Number: 85136-71-6

Related CAS Registry Numbers(s): 62774-96-3

Molecular Formula: C₁₇H₂₄N₂O₃

Molecular Weight: 304.388

Accurate Mass: 304.178693

Percentage Composition: C 67.08%; H 7.95%; N 9.20%; O 15.77%

Use/Importance: Vasodilating β-blocker used in the treatment of hypertension and angina. Antiarrhythmic props. Under investigation as an antiglaucoma agent

Development Status: Launched 1992 (Japan)

>>Variant: (±)-form

Molecular Formula: C₁₇H₂₄N₂O₃

Molecular Weight: 304.388

Accurate Mass: 304.178693

Percentage Composition: C 67.08%; H 7.95%; N 9.20%; O 15.77%

Calculated Log P Data: Log P 1.38 (calc)

>>Derivative: Hydrochloride

Synonym(s): Daim. Selecal. N 696

Physical Description: Amorph. cryst.

Melting Point: Mp 203-205°

References:

Ger. Pat., 1977, 2 631 080; *CA*, **86**, 189739, (*synth*)

Nakagawa, Y. *et al.*, *Arzneim.-Forsch.*, 1984, **34**, 194, (*pharmacol*)

Yonezawa, K. *et al.*, *J. Chromatogr.*, 1985, **339**, 219, (*hplc*)

Kubota, N. *et al.*, *J. Pharmacobio-Dyn.*, 1985, **8**, 134, (*pharmacol*)

Sugai, T. *et al.*, *Jpn. J. Pharmacol.*, 1991, **57**, 367

Takagi, S. *et al.*, *Cardiovasc. Drug Rev.*, 1998, **16**, 105-117, (*rev*)