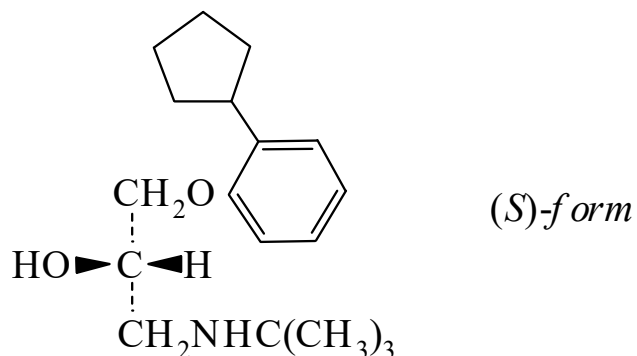




>>Entry Name: Penbutolol, BAN, INN

Synonym(s): 1-(2-Cyclopentylphenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, 9CI. 3-*tert*-Butylamino-1-(2-cyclopentylphenoxy)-2-propanol. Terbuclomine. Hoe 39893d



Molecular Formula: C₁₈H₂₉NO₂

Molecular Weight: 291.433

Accurate Mass: 291.219829

Percentage Composition: C 74.18%; H 10.03%; N 4.81%; O 10.98%

Use/Importance: β-Adrenergic blocker

Calculated Log P Data: Log P 4.04 (calc)

>>Variant: (S)-form

CAS Registry Number: 38363-40-5

Molecular Formula: C₁₈H₂₉NO₂

Molecular Weight: 291.433

Accurate Mass: 291.219829

Percentage Composition: C 74.18%; H 10.03%; N 4.81%; O 10.98%

Hazard & Toxicity: LD₅₀ (rat, orl) 1265 mg/kg. Nongenotoxic

>>Derivative: Hydrochloride

CAS Registry Number: 28291-30-7

Melting Point: Mp 92-93°

Optical Rotation: [α]_D²⁰ -26.4 (c, 1 in MeOH)

>>Derivative: Sulfate (2:1)

Synonym(s): Penbutolol sulfate, JAN, USAN. Betapressin. Blocotin. Hostabloc. Ipobar. Lesipressin. Hoe 893d

CAS Registry Number: 38363-32-5

Melting Point: Mp 216-218 dec.°

Optical Rotation: [α]_D²⁰ -24.6 (c, 1 in MeOH)

Hazard & Toxicity: LD₅₀ (rat, orl) 1350 mg/kg

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Kan, K. *et al.*, *Agric. Biol. Chem.*, 1985, **49**, 207, (*synth*)

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