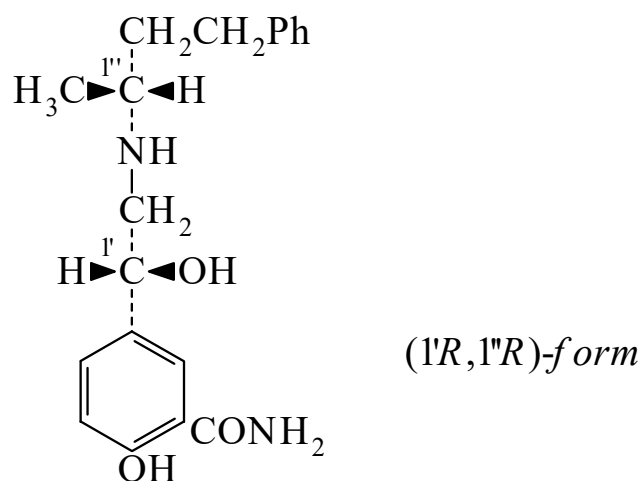




>>Entry Name: Labetalol, BAN, INN

Synonym(s): 2-Hydroxy-5-[1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]benzamide, 9Cl. 5-[1-Hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]salicylamide, 8Cl. Ibidomide. Normodyne. Trandate. AH 5158A. Sch 15719W. Albetol



CAS Registry Number: 36894-69-6

Related CAS Registry Numbers(s): 32780-64-6

Molecular Formula: C₁₉H₂₄N₂O₃

Molecular Weight: 328.41

Accurate Mass: 328.178693

Percentage Composition: C 69.49%; H 7.37%; N 8.53%; O 14.62%

Biological Use/Importance: Antiadrenergic agent (α - and β -blocker), antihypertensive agent

Calculated Log P Data: Log P 1.15 (calc)

Hazard & Toxicity: Exp. reprod. and teratogenic effects. LD₅₀ (rat, orl) 2114 mg/kg

>>Variant: (1'R,1''R)-form

Synonym(s): Dilevalol, BAN, INN. Dilevalon. Levadil

CAS Registry Number: 75659-07-3

Molecular Formula: C₁₉H₂₄N₂O₃

Molecular Weight: 328.41

Accurate Mass: 328.178693

Percentage Composition: C 69.49%; H 7.37%; N 8.53%; O 14.62%

Biological Use/Importance: Most powerful β_1 -blocker of the four stereoisomers

Development Status: Launched 1989. No longer marketed due to hepatotoxic effects

Melting Point: Mp 163.5-164.5°

>>Derivative: Hydrochloride

Synonym(s): Dilevalol hydrochloride, USAN. (R,R)-Labetalol hydrochloride. Sch 19927

CAS Registry Number: 75659-08-4

Physical Description: Cryst. (EtOH)

Melting Point: Mp 133-134 and 192-193.5° dec.° (dimorph.)

Optical Rotation: $[\alpha]_D^{26}$ -30.6 (c, 1.0 in EtOH)

>>Variant: (1'S,1''S)-form

CAS Registry Number: 83167-24-2

Molecular Formula: C₁₉H₂₄N₂O₃

Molecular Weight: 328.41

Accurate Mass: 328.178693

Percentage Composition: C 69.49%; H 7.37%; N 8.53%; O 14.62%

Biological Use/Importance: Weakly active α -blocker

>>Derivative: Hydrochloride

CAS Registry Number: 81602-15-5

Melting Point: Mp 133-134 dec.°. Mp 193-194 dec.° (dimorph.)

Optical Rotation: $[\alpha]_D^{26}$ +30.4 (c, 1.0 in EtOH)

>>Variant: (1'R,1''S)-form