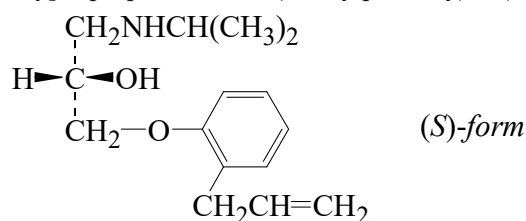




>>Entry Name: **Alprenolol**, BAN, INN

Synonym(s): 1-[(Methylethyl)amino]-3-[2-(2-propenyl)phenoxy]-2-propanol, 9Cl. 1-(2-Allylphenoxy)-3-(isopropylamino)-2-propanol. Alpheprol. Many other names



CAS Registry Number: 13655-52-2

Related CAS Registry Numbers(s): 60134-05-6

Molecular Formula: C₁₅H₂₃NO₂

Molecular Weight: 249.352

Accurate Mass: 249.172879

Percentage Composition: C 72.25%; H 9.30%; N 5.62%; O 12.83%

Use/Importance: β-Adrenergic blocker

Calculated Log P Data: Log P 2.65 (calc)

Hazard & Toxicity: Contact eczema reported from occup. exposure

>>Variant: (R)-form

CAS Registry Number: 23846-72-2

Molecular Formula: C₁₅H₂₃NO₂

Molecular Weight: 249.352

Accurate Mass: 249.172879

Percentage Composition: C 72.25%; H 9.30%; N 5.62%; O 12.83%

Physical Description: Solid (petrol)

Melting Point: Mp 34-36°

Optical Rotation: [α]_D²⁵+15.1 (c, 4 in EtOH)

>>Variant: (S)-form

CAS Registry Number: 23846-71-1

Molecular Formula: C₁₅H₂₃NO₂

Molecular Weight: 249.352

Accurate Mass: 249.172879

Percentage Composition: C 72.25%; H 9.30%; N 5.62%; O 12.83%

Physical Description: Solid (petrol)

Melting Point: Mp 34-36°

Optical Rotation: [α]_D²⁵-15.2 (c, 4 in EtOH)

Other Data: Pharmacol. active enantiomer

>>Derivative: Dihydro

Synonym(s): 1-[(1-Methylethyl)amino]-3-(2-propylphenoxy)-2-propanol, 9Cl. 1-(Isopropylamino)-3-(2-propylphenoxy)-2-propanol. Dihydroalprenolol

CAS Registry Number: 59624-90-7

Extra CAS Registry Numbers(s): 60106-89-0 63568-51-4 78884-68-1

Molecular Formula: C₁₅H₂₅NO₂

Molecular Weight: 251.368

Accurate Mass: 251.188529

Percentage Composition: C 71.67%; H 10.02%; N 5.57%; O 12.73%

Biological Use/Importance: β-Adrenergic receptor antagonist

Physical Description: Cryst. (EtOH/Et₂O) (as hydrochloride)

Melting Point: Mp 86-87° (hydrochloride)

Optical Rotation: [α]_D²⁵-23 (c, 0.46 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 23846-70-0

Molecular Formula: C₁₅H₂₃NO₂

Molecular Weight: 249.352

Accurate Mass: 249.172879

Percentage Composition: C 72.25%; H 9.30%; N 5.62%; O 12.83%

Melting Point: Mp 57-58°