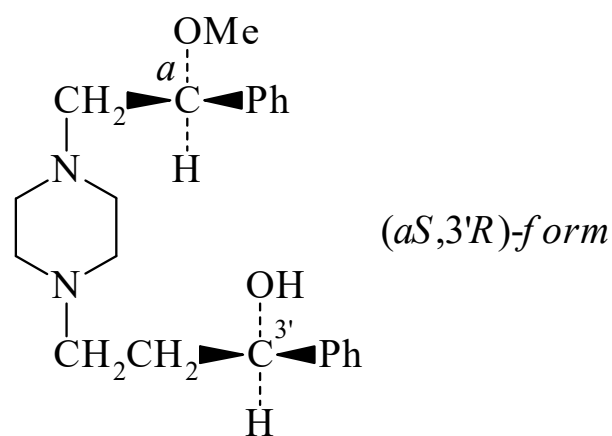




>>Entry Name: Eprozinol, INN

Synonym(s): 4-(2-Methoxy-2-phenylethyl)- α -phenyl-1-piperazinepropanol, 9Cl



CAS Registry Number: 32665-36-4

Related CAS Registry Numbers(s): 151559-43-2 151559-44-3 151559-45-4 151559-46-5

Molecular Formula: C₂₂H₃₀N₂O₂

Molecular Weight: 354.491

Accurate Mass: 354.230728

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Use/Importance: Antiasthmatic, antitussive, bronchodilator

Calculated Log P Data: Log P 3.28 (calc)

>>Variant: (α S,3'R)-form

Molecular Formula: C₂₂H₃₀N₂O₂

Molecular Weight: 354.491

Accurate Mass: 354.230728

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

>>Derivative: Hydrochloride (1:2)

Physical Description: Cryst. (hexane/MeOH)

Melting Point: Mp 190-193°

Optical Rotation: $[\alpha]_D^{22} +58.6$ (c, 0.6 in MeOH)

>>Variant: (α S,3'S)-form

Molecular Formula: C₂₂H₃₀N₂O₂

Molecular Weight: 354.491

Accurate Mass: 354.230728

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

>>Derivative: Hydrochloride (1:2)

Melting Point: Mp 197-200°

Optical Rotation: $[\alpha]_D^{22} +19.2$ (c, 0.7 in MeOH)

>>Variant: (α ξ ,3' ξ)-form

Molecular Formula: C₂₂H₃₀N₂O₂

Molecular Weight: 354.491

Accurate Mass: 354.230728

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

>>Derivative: Hydrochloride (1:2)

Synonym(s): Alecor. Asmisul. Brovel. Eupneron. Nadyl

CAS Registry Number: 27588-43-8

Melting Point: Mp 164°

Other Data: Polymorphic

Hazard & Toxicity: Large doses caused convulsions and other effects in man. LD₅₀ (rat, orl) 640 mg/kg. LD₅₀ (rat, ipr) 72 mg/kg

References: