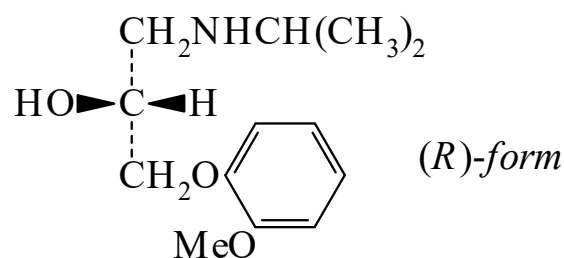




>>Entry Name: **Moprolol**, INN

Synonym(s): 1-(2-Methoxyphenoxy)-3-[(1-methylethyl)amino]-2-propanol, 9Cl. 1-(Isopropylamino)-3-(*o*-methoxyphenoxy)-2-propanol, 8Cl. Omeral



CAS Registry Number: 5741-22-0

Molecular Formula: C₁₃H₂₁NO₃

Molecular Weight: 239.314

Accurate Mass: 239.152144

Percentage Composition: C 65.25%; H 8.84%; N 5.85%; O 20.06%

Use/Importance: β-Adrenergic blocker; antihypertensive agent

Calculated Log P Data: Log P 1.12 (calc)

>>Variant: (*R*)-form

CAS Registry Number: 77164-22-8

Molecular Formula: C₁₃H₂₁NO₃

Molecular Weight: 239.314

Accurate Mass: 239.152144

Percentage Composition: C 65.25%; H 8.84%; N 5.85%; O 20.06%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 78-80°

Optical Rotation: [α]_D +5.75 (c, 5 in EtOH)

>>Derivative: Hydrochloride

CAS Registry Number: 77164-23-9

Physical Description: Cryst. (EtOAc/EtOH)

Melting Point: Mp 124-125°

Optical Rotation: [α]_D +17 (c, 5 in EtOH)

>>Variant: (*S*)-form

Synonym(s): Levomoprolol, INN. Levotensin

CAS Registry Number: 77164-20-6

Molecular Formula: C₁₃H₂₁NO₃

Molecular Weight: 239.314

Accurate Mass: 239.152144

Percentage Composition: C 65.25%; H 8.84%; N 5.85%; O 20.06%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 78-80°

Optical Rotation: [α]_D −5.5 (c, 5 in EtOH)

Calculated Log P Data: Log P 1.12 (calc)

Other Data: Pharmacol. active isomer

>>Derivative: Hydrochloride

CAS Registry Number: 113482-87-4

Physical Description: Cryst. (EtOAc/EtOH)

Melting Point: Mp 124-125°

Optical Rotation: [α]_D −16.8 (c, 5 in EtOH)

>>Variant: (±)-form

CAS Registry Number: 77164-19-3

Molecular Formula: C₁₃H₂₁NO₃

Molecular Weight: 239.314

Accurate Mass: 239.152144

Percentage Composition: C 65.25%; H 8.84%; N 5.85%; O 20.06%

Melting Point: Mp 82-83°