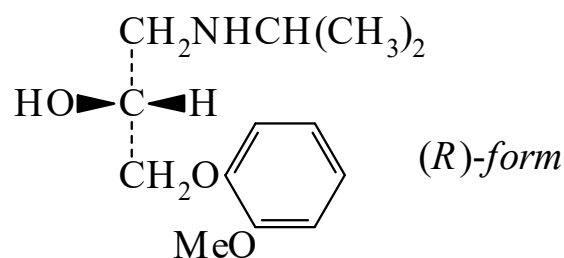




>>Entry Name: **Moprolol**, INN

**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:** C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub>

**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:** C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub>

**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]<sub>D</sub> +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]<sub>D</sub> +17 (c, 5 in EtOH)

>>Variant: (*S*)-form

**Synonym(s):** Levomoprolol, INN. Levotensin

**CAS Registry Number:** 77164-20-6

**Molecular Formula:** C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub>

**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]<sub>D</sub> −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]<sub>D</sub> −16.8 (c, 5 in EtOH)

>>Variant: (±)-form

**CAS Registry Number:** 77164-19-3

**Molecular Formula:** C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub>

**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°