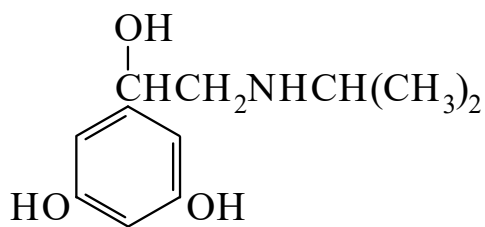




>>Entry Name: Orciprenaline, BAN, INN

Synonym(s): 5-[1-Hydroxy-2-[(1-methylethyl)amino]ethyl]-1,3-benzenediol, 9Cl. 3,5-Dihydroxy- α -[(isopropylamino)methyl]benzyl alcohol, 8Cl. 1-(3,5-Dihydroxyphenyl)-2-(isopropylamino)ethanol. Metaproterenol



CAS Registry Number: 586-06-1

Molecular Formula: $C_{11}H_{17}NO_3$

Molecular Weight: 211.26

Accurate Mass: 211.120844

Percentage Composition: C 62.54%; H 8.11%; N 6.63%; O 22.72%

Use/Importance: β -Adrenoceptor agonist. Bronchodilator

Calculated Log P Data: Log P 0.08 (calc)

Hazard & Toxicity: Human reprod. effects. LD₅₀ (rat, orl) 3370 mg/kg

>>Variant: (+)-form

Molecular Formula: $C_{11}H_{17}NO_3$

Molecular Weight: 211.26

Accurate Mass: 211.120844

Percentage Composition: C 62.54%; H 8.11%; N 6.63%; O 22.72%

>>Derivative: Hydrochloride

Melting Point: Mp 212-213°

Optical Rotation: $[\alpha]_D +45.2$ (c, 5 in EtOH)

>>Variant: (–)-form

Molecular Formula: $C_{11}H_{17}NO_3$

Molecular Weight: 211.26

Accurate Mass: 211.120844

Percentage Composition: C 62.54%; H 8.11%; N 6.63%; O 22.72%

>>Derivative: Hydrochloride

Melting Point: Mp 212°

Optical Rotation: $[\alpha]_D -45$ (c, 5 in MeOH)

>>Variant: (±)-form

CAS Registry Number: 13392-25-1

Molecular Formula: $C_{11}H_{17}NO_3$

Molecular Weight: 211.26

Accurate Mass: 211.120844

Percentage Composition: C 62.54%; H 8.11%; N 6.63%; O 22.72%

Melting Point: Mp 100°

>>Derivative: Hydrochloride

CAS Registry Number: 58869-09-3

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 147°

>>Derivative: Sulfate salt (2:1)

Synonym(s): Metaproterenol sulfate, USAN. Alotec. Alupent. Astmopent. Astop. Dosalupent. **Ipradol**‡. Lenasma. Metaprel. Novasmasol. Sedasma. Th 152

CAS Registry Number: 31023-56-0

Extra CAS Registry Numbers(s): 5874-97-5

References: