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Product Specifications

Catalogue Number 33082

Product

Sotalol hydrochloride

N-[4-[1-Hydroxy-2-(isopropylamino)ethyl]phenyl]
methanesulfonamide hydrochloride

CAS Number 959-24-0

Molecular Formula C₁₂H₂₁ClN₂O₃S

Appearance White to off-white powder

Solubility Freely soluble in water, soluble in alcohol, very slightly soluble in chloroform

Melting Point 208 - 212 °C

Heavy Metals ≤ 0.002%

Water Content (Karl Fisher) ≤ 0.5%

pH 4.5 - 5.0

Optical Rotation [α]_D²⁰ = - 0.7 to + 0.7 ° (125 mg/ml in methanol)

Infrared Spectrum Conforms to structure

Residual Solvents
Methanol: ≤ 60 ppm
Isopropyl alcohol: ≤ 9 ppm
Acetone: ≤ 6 ppm
Methylene chloride: ≤ 6 ppm
Ethanol: ≤ 400 ppm

Related Substances
Sotalol related compound A: ≤ 0.10%
Sotalol related compound B: ≤ 0.10%
Sotalol related compound C: ≤ 0.15%
Any other impurity: ≤ 0.10%
Total impurities: ≤ 0.50%

Residue On Ignition ≤ 0.1% (550 - 650°C)

Titration 11.10 - 11.90% (Chloride content)

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Purity by HPLC	98.50 - 101.50% (on anhydrous basis)
Grade	USP
Storage	Store at RT

For Laboratory Use Only