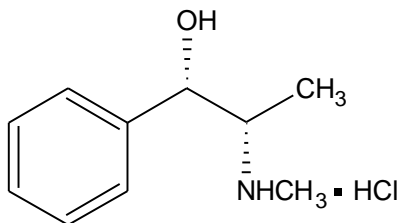


(d)-Pseudoephedrine Hydrochloride USP



d-Pseudoephedrine HCl

Molecular Formula: C₁₀H₁₅NO. HCl

Molecular weight: 201.69

CAS No.: [345-78-8]

Chemical Name:

1. (1S,2S)-2-Methylamino-1-phenyl propan-1-ol, Hydrochloride
2. Benzenemethanol, α-[1-(methylamino)ethyl]-, [S-(R*,R*)], Hydrochloride

Specifications:

- | | |
|---------------------------------|--|
| 1. Description | : Fine, white to off white crystals or powder. |
| 2. Identification | : a) Infrared spectrum of sample is concordant with the reference spectrum.
b) A solution of sample responds to the test for chloride |
| 3. Melting range | : Between 182° and 186°C; the range between beginning and end of melting does not exceed 2°C |
| 4. Specific rotation | : Between + 61.0° and + 62.5° (5 % solution in water) |
| 5. Solubility | : Very soluble in water and freely soluble in alcohol. |
| 6. pH | : Between 4.6 and 6.0 (5 % solution in water) |
| 7. Ordinary impurities | : NMT 2.0 % |
| 8. Residue on ignition | : NMT 0.1 % |
| 9. Loss on drying | : NMT 0.5 % |
| 10. Organic volatile impurities | : Must pass the test |
| 11. Assay | : Between 98.0 % and 100.5 % (dried basis) |

Therapeutic indications: Decongestant

Packing: Packed in double lined polyethylene bags in 25 kg fiber drums.

Storage: Store below 35°C.