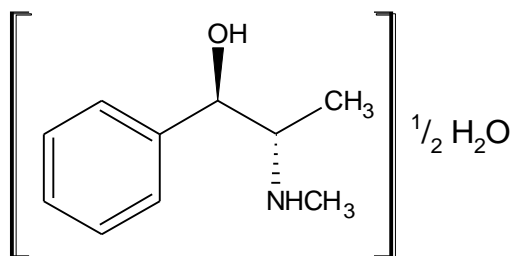




(l)-Ephedrine Base Hemihydrate USP



l-Ephedrine hemihydrate

Molecular Formula: C₁₀H₁₅NO. ½ H₂O

Molecular weight: 174.24

CAS No.: [50906-05- 3]

Chemical Name:

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

Specifications:

- | | |
|--------------------------------|--|
| 1. Identification | : Infrared spectrum of sample is concordant with the reference spectrum. |
| 2. Specific rotation | : Between - 40.3° and - 43.3° (25 mg / ml in 0.6 N HCl) |
| 3. Ordinary impurities | : Passes the test |
| 4. Chloride | : NMT 0.030 % |
| 5. Sulphate | : Must pass the test, No turbidity develops within 10 min. |
| 6. Water | : 4.5 % to 5.5 % w/w |
| 7. Residue on ignition | : NMT 0.1 % |
| 8. Organic volatile impurities | : Must pass the test |
| 9. Assay | : Between 98.5 % and 100.5 % (Anhydrous basis) |

Therapeutic indications: Bronchodilator

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

Storage: Store below 35°C.