



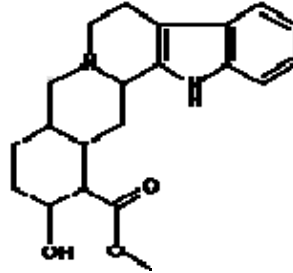
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Yohimbine hydrochloride USP

CAS No. 66-19-0

Structure



| | |
|------------------------|--|
| Molecular Formula | C ₂₁ H ₂₆ N ₂ O ₃ .HCl |
| Molecular Weight | 390.91 |
| Chemical Name | 17a-Hydroxy-20-a-yohimban-16-b-carboxylic acid, methyl ester, hydrochloride |
| Description | White crystalline powder |
| Identification | [1] The IR spectrum of sample is concordant with that of Yohimbine hydrochloride <i>RS</i> . [2] TLC – The sample complies with requirement of USP 27. [3] UV Absorption – The sample complies with requirement of USP 27. [4] Gives violet color with sulfuric acid and ammonium vanadate. |
| Melting Point | Between 232° and 234°C |
| Solubility | Sparingly soluble in water. |
| Specific rotation | Between +100° and +105° |
| Loss on drying | Not more than 1.0% |
| Chromatographic purity | [1] Single impurity – Not more than 1.0% [2] Sum of all impurities – Not more than 2.0% |
| Assay (by HLC) | Contains not less than 98.0% and not more than 102.0% of C ₂₁ H ₂₆ N ₂ O ₃ .HCl, calculated on the dried basis |