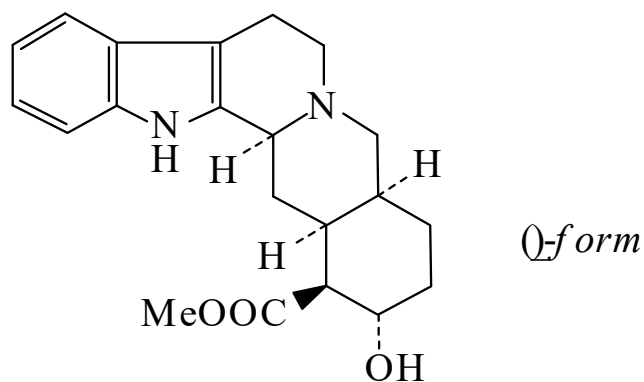




>>Entry Name: α -Yohimbine

Synonym(s): Methyl (16 β ,17 α ,20 α)-17-hydroxyyohimban-16-carboxylate, 9Cl. Isoyohimbine. Rauwolscine. Mesoyohimbine. **Corynantheidine** $\ddagger$. Chalcupine A



CAS Registry Number: 131-03-3

Molecular Formula: C₂₁H₂₆N₂O₃

Molecular Weight: 354.448

Accurate Mass: 354.194343

Percentage Composition: C 71.16%; H 7.39%; N 7.90%; O 13.54%

Biological Source: Alkaloid from *Alstonia*, *Aspidosperma*, *Corynanthe*, *Pseudocinchona*, *Rauwolfia* and *Vinca* spp. Also from *Pausinystalia croceras* (Apocynaceae, Rubiaceae)

Use/Importance: Strong selective α_2 -adrenoceptor antagonist, also reported to possess aphrodisiac props.

Melting Point: Mp 243° (235-236°)

Optical Rotation: $[\alpha]_D^{19}$ -27 (c, 1.0 in EtOH)

Calculated Log P Data: Log P 2.24 (calc)

Other Data: Serpine was a mixt. of α -Yohimbine with Yohimbine [BCK88-A](#)

Hazard & Toxicity: LD₅₀ (rat, ipr) 50 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 6211-32-1

Melting Point: Mp 288°

Optical Rotation: $[\alpha]_D^{19}$ +58 (c, 1.0 in H₂O)

References:

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