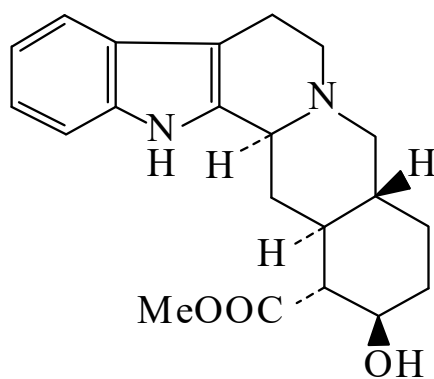




>>Entry Name: β -Yohimbine

Synonym(s): Methyl (16 α ,17 β)-17-hydroxyyohimban-16-carboxylate, 9Cl. Amsonine



Absolute
configuration

Molecular Formula: $C_{21}H_{26}N_2O_3$

Molecular Weight: 354.448

Accurate Mass: 354.194343

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

>>Variant: (-)-form

CAS Registry Number: 549-84-8

Molecular Formula: $C_{21}H_{26}N_2O_3$

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 *Amsonia*, *Aspidosperma*, *Corynanthe*, *Diplorhynchus*, *Rauwolfia*, *Voacanga* and *Pausinystalia* spp. (Apocynaceae, Rubiaceae)

Melting Point: Mp 236° (260-262°)

Optical Rotation: $[\alpha]_D -47$ (-54) (Py)

Other Data: γ -Yohimbine was a mixt. of β -Yohimbine with Yohimbine

>>Derivative: Hydrochloride

Melting Point: Mp 297°

Optical Rotation: $[\alpha]_D +29$ (H₂O)

>>Derivative: N^b -Oxide

Synonym(s): β -Yohimbine *N*-oxide

Molecular Formula: $C_{21}H_{26}N_2O_4$

Molecular Weight: 370.447

Accurate Mass: 370.189258

Percentage Composition: C 68.09%; H 7.07%; N 7.56%; O 17.28%

Physical Description: Amorph. solid (MeOH)

Melting Point: Mp 230°

Other Data: Config. apparently wrongly assigned in CA

>>Derivative: 3(*N*)-Dehydro

Synonym(s): 3,4-Dehydro- β -yohimbine

CAS Registry Number: 88607-65-2

Molecular Formula: $C_{21}H_{25}N_2O_3^{(+)}$

Molecular Weight: 353.44

Accurate Mass: 353.186518

Percentage Composition: C 71.36%; H 7.13%; N 7.93%; O 13.58%

Optical Rotation: $[\alpha]_D +114$ (c, 0.95 in MeOH)