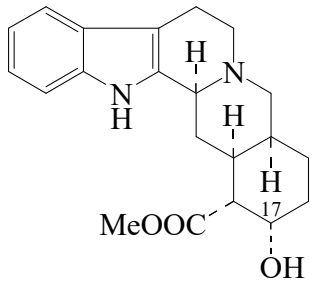
>>**Entry Name: Alloyohimbine**
Synonym(s): Methyl (16α,17α,20α)-17-hydroxyohimban-16-carboxylate, 9Cl



Absolute Configuration

CAS Registry Number: 522-94-1

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

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 *Corynanthe yohimbe, Corynanthe paniculata, Pausinystalia yohimbe, Pausinystalia angolensis* and *Rauwolfia* spp. (Apocynaceae)
Melting Point: Mp 165-170° (135-140°)
Optical Rotation: $[\alpha]_D$ –84 (Py)

>>**Derivative:** Hydrochloride

Melting Point: Mp 280°
Optical Rotation: $[\alpha]_D^{19}$+33 (H_2O)

>>**Derivative:** *O*-Ac
Synonym(s): Acetylalloyohimbine

CAS Registry Number: 81571-22-4

Molecular Formula: $C_{23}H_{28}N_2O_4$
Molecular Weight: 396.485
Accurate Mass: 396.204908
Percentage Composition: C 69.68%; H 7.12%; N 7.07%; O 16.14%
Biological Source: Alkaloid from *Rauwolfia nitida* root bark (Apocynaceae)
Melting Point: Mp 136°
Optical Rotation: $[\alpha]_D^{20}$–25 (Py) (synthetic). $[\alpha]_D^{22}$–89 ($CHCl_3$) (nat.)

>>**Derivative:** 17-Epimer
Synonym(s): 17-Epialloyohimbine. 17-*epi*-Alloyohimbine

CAS Registry Number: 59952-56-6

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 seeds of *Aspidosperma oblongum*
Physical Description: Amorph
Optical Rotation: $[\alpha]_D$ –8 (c, 0.74 in $CHCl_3$)
UV: [neutral] λ_{max} 227 (log ε 4.78); 274 (log ε 3.7); 283 (log ε 3.92); 291 (log ε 3.85) (EtOH)