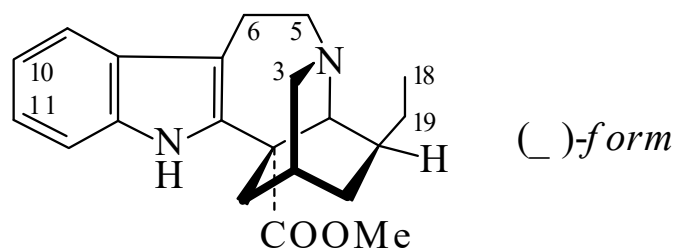




>>Entry Name: Coronaridine
Synonym(s): Carbomethoxyibogamine



Molecular Formula: C₂₁H₂₆N₂O₂
Molecular Weight: 338.449
Accurate Mass: 338.199428
Percentage Composition: C 74.53%; H 7.74%; N 8.28%; O 9.45%

>>Variant: (+)-form

Molecular Formula: C₂₁H₂₆N₂O₂
Molecular Weight: 338.449
Accurate Mass: 338.199428
Percentage Composition: C 74.53%; H 7.74%; N 8.28%; O 9.45%
Source/Synthesis: Obt. by part. synth. from Cleavamine
Physical Description: Noncryst.

>>Derivative: Hydrochloride

Melting Point: Mp 221-223 dec.°

>>Variant: (-)-form

CAS Registry Number: 467-77-6

Molecular Formula: C₂₁H₂₆N₂O₂
Molecular Weight: 338.449
Accurate Mass: 338.199428
Percentage Composition: C 74.53%; H 7.74%; N 8.28%; O 9.45%
Biological Source: Alkaloid from *Tabernaemontana (Ervatamia) coronaria*, *Tabernanthe iboga* and many other spp. in Apocynaceae
Biological Use/Importance: Shows diuretic, analgesic and some CNS activity. Also a weak estrogen. Cytotoxic agent
Physical Description: Noncryst.
UV: [neutral] λ_{max} 244 (ε 35500); 284 (ε 7850); 292 (ε 6780) (MeOH) (Berdy) [neutral] λ_{max} 225 (); 285 (); 293 () (EtOH) (Berdy)

>>Derivative: Hydrochloride

Melting Point: Mp 235 dec.°

Optical Rotation: [α]_D²⁵ -8.5 (c, 1 in MeOH)

>>Derivative: 3-Hydroxy
see Eglandine, [CCM94-U](#)

>>Derivative: 10-Hydroxy

Synonym(s): 10-Hydroxycoronaridine

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 the leaves of *Tabernanthe pubescens* and from the wood and stem bark of *Ervatamia heyneana* (Apocynaceae)
Biological Use/Importance: Shows cytotoxic activity vs. mouse P-388 carcinoma cells. Shows oestrogen-like activity
Physical Description: Amorph.
Optical Rotation: [α]_D -33 (c, 0.5 in CHCl₃)