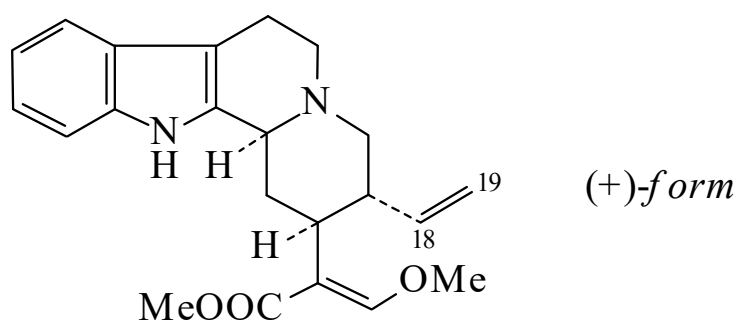




>>Entry Name: Corynantheine



**Molecular Formula:** C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 366.459

**Accurate Mass:** 366.194343

**Percentage Composition:** C 72.11%; H 7.15%; N 7.64%; O 13.10%

**Use/Importance:** Sympatholytic agent

>>Variant: (+)-form

**CAS Registry Number:** 18904-54-6

**Molecular Formula:** C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 366.459

**Accurate Mass:** 366.194343

**Percentage Composition:** C 72.11%; H 7.15%; N 7.64%; O 13.10%

**Biological Source:** Alkaloid from the bark of *Pseudocinchona africana* and from *Mitragyna parvifolia* and *Uncaria rhyncophylla* (Rubiaceae, Naucleaceae)

**Physical Description:** Noncryst.

**Optical Rotation:**  $[\alpha]_D^{20} +28.8$  (MeOH)

**Hazard & Toxicity:** LD<sub>50</sub> (mus, ivn) 35 mg/kg

>>Derivative: Hydrochloride

**Melting Point:** Mp 205°

**Optical Rotation:**  $[\alpha]_D^{20} +43.8$  (MeOH)

>>Derivative: O<sup>17</sup>-De-Me

**Synonym(s):** Demethylcorynantheine. Alkaloid RMB 1

**CAS Registry Number:** 18786-21-5

**Molecular Formula:** C<sub>21</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 352.432

**Accurate Mass:** 352.178693

**Percentage Composition:** C 71.57%; H 6.86%; N 7.95%; O 13.62%

**Biological Source:** Alkaloid from the stem bark of *Rauwolfia mombasiana* (Apocynaceae)

>>Derivative: O<sup>17</sup>-De-Me, 18,19-dihydro

**Synonym(s):** Demethyldihydrocorynantheine. Alkaloid RMB 7

**CAS Registry Number:** 5027-70-3

**Molecular Formula:** C<sub>21</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>

**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 stem bark of *Rauwolfia mombasiana* (Apocynaceae)

**Physical Description:** Yellow amorph. powder