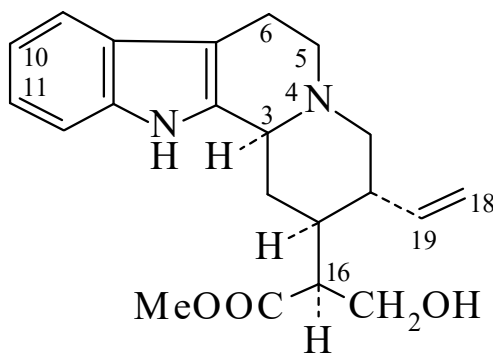




>>Entry Name: Sitsirikine



CAS Registry Number: 1245-00-7

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%

Melting Point: Mp 206-209° (218-220°)

Optical Rotation: [α]_D²⁵ -58 (MeOH) (synthetic). [α]_D +23 (MeOH) (natural)

>>Derivative: Ac

Melting Point: Mp 198°

Optical Rotation: [α]_D²⁶ -26 (MeOH)

>>Derivative: Picrate

Melting Point: Mp 226-228 dec.°

>>Derivative: Dihydro

Synonym(s): (16*R*)-Dihydrositsirikine

CAS Registry Number: 6519-26-2

Molecular Formula: C₂₁H₂₈N₂O₃

Molecular Weight: 356.464

Accurate Mass: 356.209993

Percentage Composition: C 70.76%; H 7.92%; N 7.86%; O 13.47%

Biological Source: Alkaloid from *Vinca rosea*, *Pausinystalia yohimbe* and *Aspidosperma marcgravianum* (Rubiaceae, Apocynaceae)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 215°

Optical Rotation: [α]_D²⁶ -55 (MeOH)

Other Data: Forms solvated cryst. from Me₂CO, Mp 180°

>>Derivative: Dihydro, Ac

Physical Description: Needles (Me₂CO/petrol)

Melting Point: Mp 187°

Optical Rotation: [α]_D²⁶ -31 (MeOH)

>>Derivative: Dihydro, 4-bromobenzoyl

Physical Description: Needles (Me₂CO/petrol)

Melting Point: Mp 174°

>>Derivative: Dihydro, picrate

Physical Description: Amber prisms (MeOH)

Melting Point: Mp 228-230 dec.°