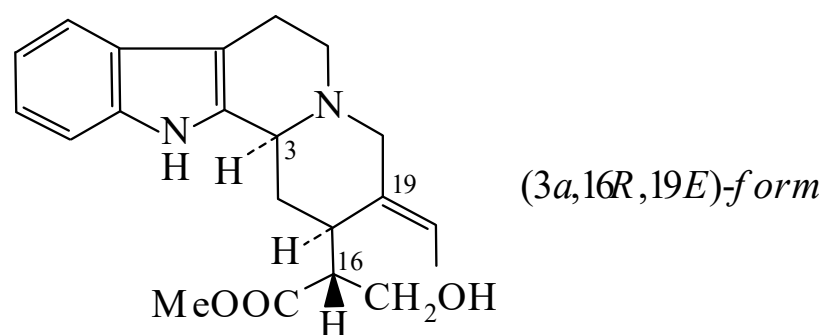




>>Entry Name: Isositsirikine



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%

>>Variant: (3 α ,16 R ,19 E)-form

CAS Registry Number: 6519-27-3

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 *Vinca rosea* (*Catharanthus roseus*), *Aspidosperma marcgravianum*, *Aspidosperma oblongum* and several others (Apocynaceae)

Optical Rotation: [α]_D²⁵ −20 (CHCl₃)

>>Derivative: Sulfate (1:2)

Melting Point: Mp 263.5°

>>Derivative: Picrate

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 216°

>>Derivative: *O*-Ac

Synonym(s): *O*-Acetylisositsirikine

CAS Registry Number: 6519-40-0

Molecular Formula: C₂₃H₂₈N₂O₄

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 the roots and leaves of *Rhazya stricta* (Apocynaceae)

Optical Rotation: [α]_D −2.5 (MeOH)

>>Derivative: (4*S*)-*N*-Oxide

Synonym(s): (16*R*)-Isositsirikine (4*S*)-*N*-oxide

CAS Registry Number: 88607-61-8

Molecular Formula: C₂₁H₂₆N₂O₄

Molecular Weight: 370.447

Accurate Mass: 370.189258

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

Biological Source: Alkaloid from the stem bark of *Aspidosperma marcgravianum* (Apocynaceae)

Physical Description: Amorph.

Optical Rotation: [α]_D −56 (c, 0.54 in MeOH)

Other Data: Named 16-Epiisositsirikine 3*S*,4*S*-*N*-oxide in the original literature (confusing)

>>Variant: (3 α ,16*R*,19*Z*)-form

CAS Registry Number: 80287-17-8