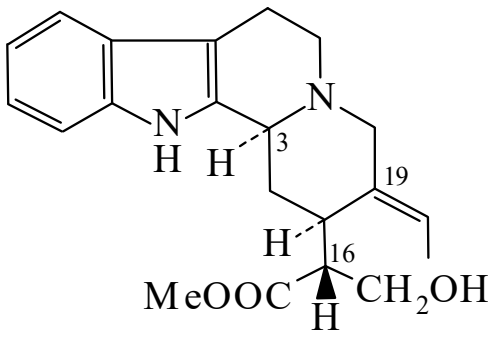
>>**Entry Name: Isositsirikine**



(3*a*,16*R*,19*E*)-*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%

>>**Variant:** (3α,16*R*,19*E*)-form

CAS Registry Number: 6519-27-3

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 *Vinca rosea (Catharanthus roseus), Aspidosperma marcgravianum, Aspidosperma oblongum* and several others (Apocynaceae)
Optical Rotation: $[\alpha]_D^{25}$ –20 ($CHCl_3$)

>>**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: $C_{23}H_{28}N_2O_4$
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 the roots and leaves of *Rhazya stricta* (Apocynaceae)
Optical Rotation: $[\alpha]_D$ –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: $C_{21}H_{26}N_2O_4$
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: $[\alpha]_D$ –56 (c, 0.54 in MeOH)
Other Data: Named 16-Epiisositsirikine 3*S*,4*S*-*N*-oxide in the original literature (confusing)

>>**Variant:** (3α,16*R*,19*Z*)-form

CAS Registry Number: 80287-17-8