



Biological Source: Alkaloid from the stems and roots of *Cocculus hirsutus* (Menispermaceae)

Physical Description: Amorph. (MeOH)

Melting Point: Mp 182-187°

Optical Rotation: $[\alpha]_D^{25} +125$ (c, 0.5 in MeOH)

>> **Derivative:** *N*-Me, Et ether

Physical Description: Cryst. (MeOH/CH₂Cl₂)

Melting Point: Mp 214-216°

Optical Rotation: $[\alpha]_D +230$ (c, 1.02 in CHCl₃)

>> **Derivative:** *N*-De-Me

Synonym(s): 2'-Norcocsoline. 12-*O*-Demethyltrilobine

CAS Registry Number: 39986-72-6

Molecular Formula: C₃₃H₃₀N₂O₅

Molecular Weight: 534.61

Accurate Mass: 534.215473

Percentage Composition: C 74.14%; H 5.66%; N 5.24%; O 14.96%

Biological Source: Alkaloid from roots of *Anisocycla cymosa*, *Anisocycla grandidieri* and *Albertisia* sp. (Menispermaceae)

Physical Description: Cryst.

Melting Point: Mp 256-258°

Optical Rotation: $[\alpha]_D +238$ (c, 0.15 in CHCl₃). $[\alpha]_D +332$ (c, 1.52 in Py)

>> **Derivative:** Me ether

Synonym(s): *O*-Methylcocsoline

CAS Registry Number: 54352-71-5

Molecular Formula: C₃₅H₃₄N₂O₅

Molecular Weight: 562.664

Accurate Mass: 562.246773

Percentage Composition: C 74.71%; H 6.09%; N 4.98%; O 14.22%

Biological Source: Alkaloid from the stems of *Albertisia papuana* (Menispermaceae)

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 235-237°

Optical Rotation: $[\alpha]_D +236$ (c, 1.2 in CHCl₃)

Other Data: Phys. constants are for synthetic material

>> **Derivative:** Me ether, *N*^{2'}-oxide (β-)

Synonym(s): *O*-Methylcocsoline 2'-β-*N*-oxide

Molecular Formula: C₃₅H₃₄N₂O₆

Molecular Weight: 578.663

Accurate Mass: 578.241688

Percentage Composition: C 72.65%; H 5.92%; N 4.84%; O 16.59%

Biological Source: Alkaloid from roots of *Anisocycla cymosa* (Menispermaceae)

Physical Description: Amorph. powder

>> **Derivative:** *N,O*-Di-Me

see Isotrilobine, [GPN13-F](#)

>> **Variant:** (–)-form

Synonym(s): Micranthine

CAS Registry Number: 36104-64-0

Molecular Formula: C₃₄H₃₂N₂O₅

Molecular Weight: 548.637

Accurate Mass: 548.231123

Percentage Composition: C 74.43%; H 5.88%; N 5.11%; O 14.58%

Biological Source: Alkaloid from the bark of *Daphnandra micrantha* and from the leaves and terminal twigs of an unnamed *Daphnandra* sp. (Atherospermataceae)

Use/Importance: Oedematous agent on injection, vasodilator, respiratory paralytic

Physical Description: Cryst. (MeOH)

Melting Point: Mp 190-194 dec.°

Optical Rotation: $[\alpha]$