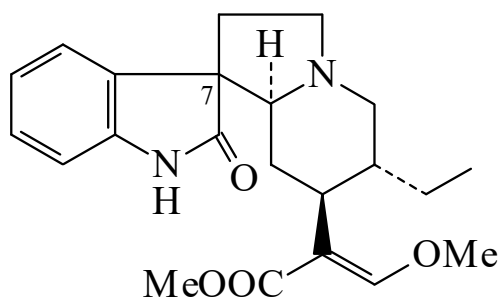




>>Entry Name: Rhyncophylline

Synonym(s): Mitrinermine



Absolute
configuration

Molecular Formula: C₂₂H₂₈N₂O₄

Molecular Weight: 384.474

Accurate Mass: 384.204908

Percentage Composition: C 68.73%; H 7.34%; N 7.29%; O 16.65%

>>Variant: (-)-form

CAS Registry Number: 76-66-4

Molecular Formula: C₂₂H₂₈N₂O₄

Molecular Weight: 384.474

Accurate Mass: 384.204908

Percentage Composition: C 68.73%; H 7.34%; N 7.29%; O 16.65%

Biological Source: Alkaloid from *Uncaria rhyncophylla*, some other *Uncaria* spp., several *Mitragyna* spp. and *Cephalanthus occidentalis* (Naucleaceae)

Use/Importance: Antipyretic, hypotensive agent

Melting Point: Mp 214° (208-209°)

Optical Rotation: [α]_D -24 (-15) (CHCl₃)

>>Derivative: N-Oxide

Synonym(s): Rhyncophylline N-oxide

Molecular Formula: C₂₂H₂₈N₂O₅

Molecular Weight: 400.474

Accurate Mass: 400.199823

Percentage Composition: C 65.98%; H 7.05%; N 7.00%; O 19.98%

Biological Source: Alkaloid from *Mitragyna inermis* and *Cephalanthus occidentalis* (Naucleaceae)

Physical Description: Noncryst.

>>Derivative: Parent acid

Synonym(s): Rhynchophyllic acid

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 stems of *Uncaria sinensis* (Naucleaceae)

Physical Description: Amorph. powder

>>Derivative: 7-Epimer

Synonym(s): Isorhyncophylline

CAS Registry Number: 6859-01-4

Molecular Formula: C₂₂H₂₈N₂O₄

Molecular Weight: 384.474

Accurate Mass: 384.204908

Percentage Composition: C 68.73%; H 7.34%; N 7.29%; O 16.65%

Biological Source: Alkaloid from *Uncaria* and *Mitragyna* spp. (Naucleaceae)

Melting Point: Mp 144°

Optical Rotation: [α]_D +13 (+8.3) (CHCl₃)