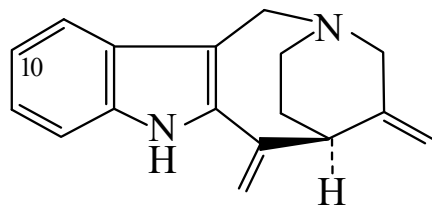




>>Entry Name: Apparicine

Synonym(s): 4-Ethylidene-1,3,4,5,6,7-hexahydro-6-methylene-2,5-ethano-2*H*-azocino[4,3-*b*]indole, 9Cl. Gomezine. Pericalline. Tabernoschizine



Molecular Formula: C₁₈H₂₀N₂

Molecular Weight: 264.369

Accurate Mass: 264.162648

Percentage Composition: C 81.78%; H 7.62%; N 10.60%

>>Variant: (+)-form

Molecular Formula: C₁₈H₂₀N₂

Molecular Weight: 264.369

Accurate Mass: 264.162648

Percentage Composition: C 81.78%; H 7.62%; N 10.60%

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

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 192-194°

Optical Rotation: [α]_D²⁷ +176 (c, 2.16 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 303 (ϵ 46500) (EtOH) (Berdy)

>>Variant: (-)-form

CAS Registry Number: 2122-36-3

Molecular Formula: C₁₈H₂₀N₂

Molecular Weight: 264.369

Accurate Mass: 264.162648

Percentage Composition: C 81.78%; H 7.62%; N 10.60%

Biological Source: Found in *Aspidosperma olivaceum* and several other *Aspidosperma* spp., *Catharanthus ovalis*, *Catharanthus roseus*, *Pandaca ochrascens*, *Pandaca eusepala*, *Ervatamia heyneana*, *Tabernaemontana cumminsii*, *Schizogygia caffaeoides*, and other spp. in the Apocynaceae

Use/Importance: Shows cytotoxic activity against mouse lymphocyte P-388 cells. Also shows weak antibacterial activity. Antiviral agent active against Polio virus but not Vaccinia. Shows pronounced analeptic props.

Physical Description: Cryst. (Me₂CO or petrol/CHCl₃)

Melting Point: Mp 196-202°. Mp 188-190 195-198°°

Optical Rotation: [α]_D²⁷ -179 (c, 2.16 in CHCl₃)

pKa Value: p*K*_{a1} 8.05 (33% DMF) p*K*_{a1} 7.26 (80% 2-methoxyethanol)

UV: [neutral] $\lambda_{\max}$ 218 (ϵ 31300); 230 (ϵ 49000); 307 (ϵ 41800) (MeOH) (Berdy)

>>Derivative: 10-Hydroxy

Synonym(s): 10-Hydroxyapparicine

CAS Registry Number: 70503-70-7

Molecular Formula: C₁₈H₂₀N₂O

Molecular Weight: 280.369

Accurate Mass: 280.157563

Percentage Composition: C 77.11%; H 7.19%; N 9.99%; O 5.71%

Biological Source: Alkaloid from the leaves of *Ochrosia oppositifolia* (Apocynaceae)

Physical Description: Noncryst.

Optical Rotation: [α]_D²⁵ -90 (CHCl₃)

>>Derivative: 10-Methoxy

Synonym(s): 10-Methoxyapparicine

Molecular Formula: C₁₉H₂₂N₂O

Molecular Weight: 294.396

Accurate Mass: 294.173213

Percentage Composition: C 77.52%; H 7.53%; N 9.52%; O 5.43%

Biological Source: Alkaloid from the leaves of *Ochrosia oppositifolia* (Apocynaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 199-202°

Optical Rotation: [α]