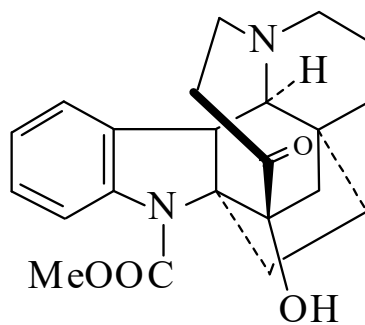




>>Entry Name: Kopsine

Synonym(s): Methyl 3-hydroxy-22-oxokopsan-1-carboxylate, 9Cl



Absolute
configuration

Molecular Formula: C₂₂H₂₄N₂O₄

Molecular Weight: 380.443

Accurate Mass: 380.173608

Percentage Composition: C 69.46%; H 6.36%; N 7.36%; O 16.82%

>>Variant: (–)-form

CAS Registry Number: 559-48-8

Molecular Formula: C₂₂H₂₄N₂O₄

Molecular Weight: 380.443

Accurate Mass: 380.173608

Percentage Composition: C 69.46%; H 6.36%; N 7.36%; O 16.82%

Biological Source: Alkaloid from the leaves of *Kopsia fruticosa* (Apocynaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 217-218° (210-213°)

Optical Rotation: [α]_D –17.5 (c, 2.15 in CHCl₃)

pKa Value: pK_{a1} 4.28 (2-methoxyethanol aq.) pK_{a1} 4.45 (2-methoxyethanol)

>>Derivative: Perchlorate

Melting Point: Mp 284 dec.°

>>Derivative: Picrate

Melting Point: Mp 230 dec.°

>>Derivative: Methiodide

Physical Description: Cryst. + 3H₂O (MeOH)

Melting Point: Mp 194-196 dec.°

>>Derivative: Decarbomethoxy

Synonym(s): Decarbomethoxykopsine

Molecular Formula: C₂₀H₂₂N₂O₂

Molecular Weight: 322.406

Accurate Mass: 322.168128

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Biological Source: Alkaloid from the leaves of *Kopsia fruticosa* (Apocynaceae)

Physical Description: Cryst. (Me₂CO aq. or MeOH aq.)

Melting Point: Mp 101-127°

>>Variant: (±)-form

Molecular Formula: C₂₂H₂₄N₂O₄

Molecular Weight: 380.443

Accurate Mass: 380.173608

Percentage Composition: C 69.46%; H 6.36%; N 7.36%; O 16.82%

Source/Synthesis: Synthetic

Physical Description: Prisms (MeOH)

Melting Point: Mp 192-195 dec.°

References: