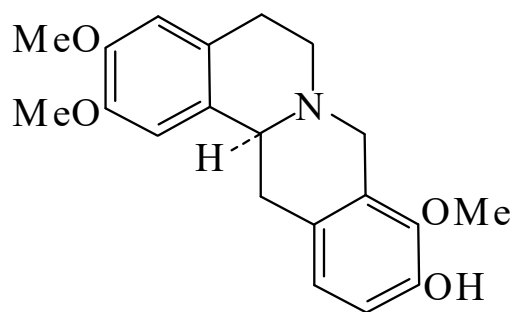




>>Entry Name: Corydalmine

Synonym(s): 5,8,13,13a-Tetrahydro-2,3,9-trimethoxy-6H-dibenzo[a,g]quinolizin-10-ol, 9Cl. Kikemanine. Cycemanine. Schefferine



Related CAS Registry Numbers(s): 95462-84-3

Molecular Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.406

Accurate Mass: 341.162709

Percentage Composition: C 70.36%; H 6.79%; N 4.10%; O 18.75%

General Statement: Kikemanine and Schefferine were until 1977 thought to have isomeric structs.

>>Variant: (S)-form

CAS Registry Number: 30413-84-4

Molecular Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.406

Accurate Mass: 341.162709

Percentage Composition: C 70.36%; H 6.79%; N 4.10%; O 18.75%

Biological Source: Alkaloid from *Corydalis pallida* and *Stephania glabra* (Fumariaceae, Menispermaceae)

Physical Description: Plates (CHCl₃/MeOH)

Melting Point: Mp 177-178° (174-175°)

Optical Rotation: [α]_D²² -303 (c, 1.14 in EtOH)

>>Derivative: N-Me

Synonym(s): N-Methylcorydalmine

CAS Registry Number: 81010-29-9

Molecular Formula: C₂₁H₂₆NO₄⁽⁺⁾

Molecular Weight: 356.441

Accurate Mass: 356.186184

Percentage Composition: C 70.76%; H 7.35%; N 3.93%; O 17.95%

Biological Source: Quaternary alkaloid from *Stephania elegans* (Menispermaceae)

Melting Point: Mp 190° (as chloride)

>>Derivative: α-N-Oxide

Synonym(s): Corydalmine α-N-oxide

Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

Biological Source: Alkaloid from *Corydalis tashiroi*

Physical Description: Prisms (CHCl₃/MeOH)

Melting Point: Mp 205-207°

Optical Rotation: [α]_D²⁶ -28.2 (c, 0.31 in CHCl₃)

UV: [neutral] λ_{max} 206 (log ε 4.71); 227 (sh) (log ε 4.1); 284 (log ε 3.71) (EtOH)

>>Derivative: β-N-Oxide

Synonym(s): Corydalmine β-N-oxide

Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

Biological Source: Alkaloid from *Corydalis tashiroi*

Physical Description: Prisms (CHCl₃/MeOH)

Melting Point: Mp 176-178°

Optical Rotation: [α]