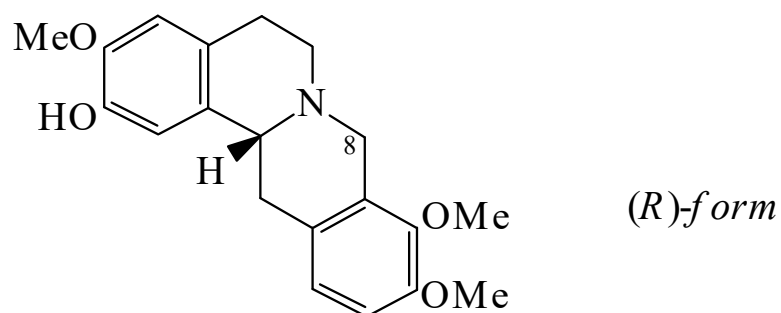




>>Entry Name: Isocorypalmine

Synonym(s): 5,8,13,13a-Tetrahydro-3,9,10-trimethoxy-6*H*-dibenzo[*a,g*]quinolizin-2-ol, 9Cl. 3,9,10-Trimethoxyberbin-2-ol, 8Cl. 2-Hydroxy-3,9,10-trimethoxytetrahydroprotoberberine. Tetrahydrocolumbamine. Casealutine



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%

>>Variant: (*R*)-form

CAS Registry Number: 53447-14-6

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 cava*, in partially racemised form (Fumariaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 239-241° (220-222°)

Optical Rotation: [α]_D +303 (CHCl₃)

>>Variant: (*S*)-form

CAS Registry Number: 483-34-1

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 the leaves of *Bocconia frutescens*, *Corydalis lutea*, *Corydalis ophiocarpa*, other *Corydalis* spp., *Dicranostigma* spp., *Glaucium fimbriigerum*, *Hydrastis canadensis*, *Thalictrum* spp., *Pachypodanthium confine* and *Tinomiscium petiolare* (Papaveraceae, Ranunculaceae, Annonaceae)

Melting Point: Mp 241-242°

>>Derivative: α -*N*-Oxide

Synonym(s): Isocorypalmine 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: Needles (CHCl₃/MeOH)

Melting Point: Mp 247-249°

Optical Rotation: [α]_D²⁵ -24.7 (c, 0.25 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 209 (log ϵ 4.55); 225 (sh) (log ϵ 4.19); 283 (log ϵ 3.76) (EtOH)

>>Derivative: β -*N*-Oxide

Synonym(s): Isocorypalmine 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: Needles (CHCl₃)

Melting Point: Mp 224-226°

Optical Rotation: [α]