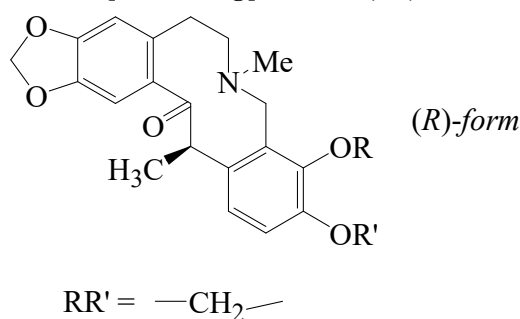




>>Entry Name: **Corycavamine**

Synonym(s): 4,6,7,14-Tetrahydro-5,14-dimethylbis[1,3]benzodioxolo[4,5-*c*:5',6'-*g*]azecin-13(5*H*)-one, 9Cl. Corycavine



Molecular Formula: C₂₁H₂₁NO₅

Molecular Weight: 367.401

Accurate Mass: 367.141974

Percentage Composition: C 68.65%; H 5.76%; N 3.81%; O 21.77%

General Statement: The name Crycavine was applied to the racemate

>>Variant: (*R*)-form

CAS Registry Number: 521-85-7

Molecular Formula: C₂₁H₂₁NO₅

Molecular Weight: 367.401

Accurate Mass: 367.141974

Percentage Composition: C 68.65%; H 5.76%; N 3.81%; O 21.77%

Biological Source: Alkaloid from root nodules of *Corydalis tuberosa* (Fumariaceae)

Melting Point: Mp 148-149°

Optical Rotation: [α]_D²⁰ +167 (CHCl₃)

>>Variant: (*S*)-form

CAS Registry Number: 144606-40-6

Molecular Formula: C₂₁H₂₁NO₅

Molecular Weight: 367.401

Accurate Mass: 367.141974

Percentage Composition: C 68.65%; H 5.76%; N 3.81%; O 21.77%

Source/Synthesis: Obt. by resoln. of the racemate

Physical Description: Needles

Melting Point: Mp 145-146°

Optical Rotation: [α]_D²⁵ −170 (c, 1.3 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 521-87-9

Molecular Formula: C₂₁H₂₁NO₅

Molecular Weight: 367.401

Accurate Mass: 367.141974

Percentage Composition: C 68.65%; H 5.76%; N 3.81%; O 21.77%

Biological Source: Alkaloid from *Corydalis tuberosa*, *Corydalis incisa* and several other *Corydalis* spp. (Fumariaceae)

Use/Importance: Intermed. in biosynth. of Corynoline [CFT23-C](#)

Biological Use/Importance: Cardioactive agent

Physical Description: Plates (EtOH)

Melting Point: Mp 221-222°

>>Derivative: Hydrochloride

Melting Point: Mp 219°

>>Derivative: Methiodide

Melting Point: Mp 220°

References: