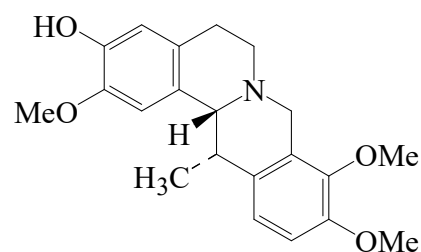




>>Entry Name: Corybulbine

Synonym(s): Corydalis G



Absolute
Configuration

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

General Statement: Has been confused with Corydalmine [BQT78-K](#)

>>Variant: (+)-form

CAS Registry Number: 518-77-4

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

Biological Source: Alkaloid from the root nodules of *Corydalis tuberosa* (cava) and from a few other *Corydalis* spp. (Fumariaceae)

Melting Point: Mp 242°

Optical Rotation: [α]_D +303.3 (CHCl₃)

>>Derivative: Hydrochloride

Melting Point: Mp 245-250°

>>Derivative: Me ether

see Corydaline, [CFS68-O](#)

>>Variant: (±)-form

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

Source/Synthesis: Synthetic

Melting Point: Mp 220-222°

>>Derivative: Nitrate

Physical Description: Needles

Melting Point: Mp 207-208°

>>Derivative: Hexachloroplatinate

Physical Description: Yellow-brown amorph. powder

Melting Point: Mp 223°

References:

Späth, E. *et al.*, *Ber.*, 1925, **58**, 1274, (*struct*)

Takao, N. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 3185, (*config, ir, pmr*)

Slavik, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1979, **44**, 2261, (*isol*)

Iwasa, K. *et al.*, *J.O.C.*, 1981, **46**, 4744, (*synth, abs config*)