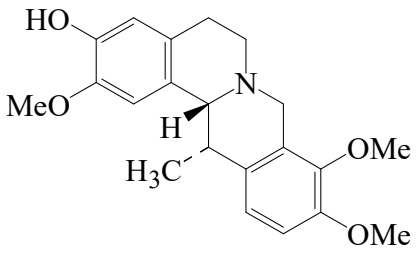
>>**Entry Name: Corybulbine**
Synonym(s): Corydalis G



Absolute Configuration

Molecular Formula: $C_{21}H_{25}NO_4$
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: $C_{21}H_{25}NO_4$
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: $[\alpha]_D$ +303.3 ($CHCl_3$)

>>**Derivative:** Hydrochloride

Melting Point: Mp 245-250°

>>**Derivative:** Me ether
see Corydaline, CFS68-O

>>**Variant:** (±)-form

Molecular Formula: $C_{21}H_{25}NO_4$
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)*

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