



>>Derivative: *N*-Oxide(*R*-)
Synonym(s): Epicorynoxidine

CAS Registry Number: 58000-48-9

Molecular Formula: C₂₁H₂₅NO₅
Molecular Weight: 371.432
Accurate Mass: 371.173274
Percentage Composition: C 67.91%; H 6.78%; N 3.77%; O 21.54%
Biological Source: From *Corydalis koidzumiana* (Fumariaceae)
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 193-195 dec.°
Optical Rotation: [α]_D -2

>>Variant: (±)-form

CAS Registry Number: 2934-97-6

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 *Corydalis* spp. (Fumariaceae)
Physical Description: Scales (MeOH)
Melting Point: Mp 151° (147°)
Rare Chemicals Library: S42652-0

>>Derivative: Hydrochloride

Physical Description: Needles (H₂O)
Melting Point: Mp 215°

>>Derivative: Hydroiodide

Physical Description: Orange-yellow needles
Melting Point: Mp 241 dec.°

References:

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Tourwe, D. *et al.*, *Org. Magn. Reson.*, 1977, **9**, 341, (*pmr*)
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Hussain, R.A. *et al.*, *Heterocycles*, 1989, **29**, 2257, (*pmr, cmr*)
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Pyne, S.G. *et al.*, *J.O.C.*, 1990, **55**, 1932, (*synth, pmr, cmr, ms*)
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