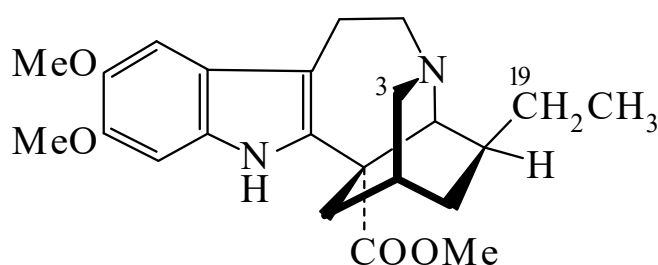




>>Entry Name: Conopharyngine



CAS Registry Number: 76-98-2

Molecular Formula: $C_{23}H_{30}N_2O_4$

Molecular Weight: 398.501

Accurate Mass: 398.220558

Percentage Composition: C 69.32%; H 7.59%; N 7.03%; O 16.06%

General Statement: There is also another alkaloid called Conopharyngine. See 20-Aminopregn-5-en-3-ol [HHN82-G](#)

Biological Source: Alkaloid from the stem and root bark of *Conopharyngia durissima* (Apocynaceae)

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 141-143°

Optical Rotation: $[\alpha]_D^{25} -40.5$ (c, 1 in CHCl₃)

>>Derivative: 3-Hydroxy

Synonym(s): 3-Hydroxyconopharyngine

Extra CAS Registry Numbers(s): 93627-64-6 95066-50-5

Molecular Formula: $C_{23}H_{30}N_2O_5$

Molecular Weight: 414.5

Accurate Mass: 414.215473

Percentage Composition: C 66.65%; H 7.29%; N 6.76%; O 19.30%

Biological Source: Minor alkaloid from the root bark and stem bark of *Tabernaemontana pachysiphon* (Apocynaceae) and root bark of *Tabernaemontana chippii*

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O

UV: [neutral] λ_{max} 223 (); 302 (); 306 () (MeOH) (Berdy)

Other Data: Mixt. of epimers

>>Derivative: 3-Oxo

Synonym(s): 3-Oxoconopharyngine. 19-Oxoconopharyngine

CAS Registry Number: 20078-89-1

Molecular Formula: $C_{23}H_{28}N_2O_5$

Molecular Weight: 412.485

Accurate Mass: 412.199823

Percentage Composition: C 66.97%; H 6.84%; N 6.79%; O 19.39%

Biological Source: Alkaloid from *Conopharyngia jollyana* (Apocynaceae)

Physical Description: Cryst. (EtOAc)

Optical Rotation: $[\alpha]_D^{20} -48$ (c, 0.3 in CHCl₃)

>>Derivative: 19-Hydroxy

Synonym(s): 19-Hydroxyconopharyngine. 20-Hydroxyconopharyngine

CAS Registry Number: 16790-93-5

Molecular Formula: $C_{23}H_{30}N_2O_5$

Molecular Weight: 414.5

Accurate Mass: 414.215473

Percentage Composition: C 66.65%; H 7.29%; N 6.76%; O 19.30%

Biological Source: Alkaloid from bark of *Conopharyngia jollyana* and *Conopharyngia durissima* (Apocynaceae)

>>Derivative: 19-Acetoxy

Melting Point: Mp 124-126°

Optical Rotation: $[\alpha]_D^{22} -28$ (c, 0.25 in CHCl₃)

References: