



Melting Point: Mp 101-103°

>>>**Derivative:** 7-*O*-(2,3-Epoxy-3-methylbutyl), 4,8-di-Me ether

Synonym(s): Anhydroevoxine

CAS Registry Number: 24099-25-0

Molecular Formula: C₁₈H₁₉NO₅

Molecular Weight: 329.352

Accurate Mass: 329.126324

Percentage Composition: C 65.64%; H 5.81%; N 4.25%; O 24.29%

Biological Source: Alkaloid from the branch ends of *Evodia xanthoxyloides* and from *Haplophyllum ferganicum* and *Haplophyllum perforatum*

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 141-144°

Optical Rotation: [α]_D +13 (CHCl₃)

>>>**Derivative:** 7-*O*-(2,3-Dihydroxy-3-methylbutyl), 4,8-di-Me ether

Synonym(s): Evoxine. 7-(2,3-Dihydroxy-3-methylbutoxy)-8-methoxydictamnine. Haploperine. Haplophytin B

CAS Registry Number: 522-11-2

Molecular Formula: C₁₈H₂₁NO₆

Molecular Weight: 347.367

Accurate Mass: 347.136889

Percentage Composition: C 62.24%; H 6.09%; N 4.03%; O 27.64%

Biological Source: Alkaloid from *Evodia xanthoxyloides*, *Monnieria trifolia* and several *Haplophyllum* spp. (Rutaceae)

Melting Point: Mp 154-155°

Optical Rotation: [α]_D²² +14.6 (EtOH). [α]_D +63.6 (c, 0.33 in MeOH) ((Haplophytine B))

>>>**Derivative:** 7-*O*-(2-Acetoxy-3-hydroxy-3-methylbutyl), 4,8-di-Me ether

Synonym(s): Evoxine acetate. 2'-Acetylevoxine

CAS Registry Number: 40817-01-4

Extra CAS Registry Numbers(s): 64397-07-5

Molecular Formula: C₂₀H₂₃NO₇

Molecular Weight: 389.404

Accurate Mass: 389.147454

Percentage Composition: C 61.69%; H 5.95%; N 3.60%; O 28.76%

Biological Source: Alkaloid from *Haplophyllum hispanicum*, *Haplophyllum ferganicum* and *Haplophyllum ramosissimum*

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 168.5-169.5°

>>>**Derivative:** 7-*O*-(2-Hydroxy-3-methoxy-3-methylbutyl), 4,8-di-Me ether

Synonym(s): Methylevoxine

CAS Registry Number: 56775-80-5

Molecular Formula: C₁₉H₂₃NO₆

Molecular Weight: 361.394

Accurate Mass: 361.152539

Percentage Composition: C 63.15%; H 6.41%; N 3.88%; O 26.56%

Biological Source: Alkaloid from *Haplophyllum glabrinum*, *Haplophyllum perforatum* and *Haplophyllum obtusifolium*

Physical Description: Needles

Melting Point: Mp 55-56°

UV: [neutral] $\lambda_{\max}$ 251 (log ϵ 4.91); 322 (log ϵ 3.78); 334 (log ϵ 3.77) (no solvent reported)

>>>**Derivative:** 7-*O*-(2-Hydroxy-3-methyl-3-butenyl), 4,8-di-Me ether

Synonym(s): Evodine‡

CAS Registry Number: 6989-38-4

Molecular Formula: C₁₈H₁₉NO₅

Molecular Weight: 329.352

Accurate Mass: 329.126324

Percentage Composition: C 65.64%; H 5.81%; N 4.25%; O 24.29%

Biological Source: Alkaloid from the leaves of *Evodia xanthoxyloides* (Rutaceae)

Melting Point: Mp 153-154°