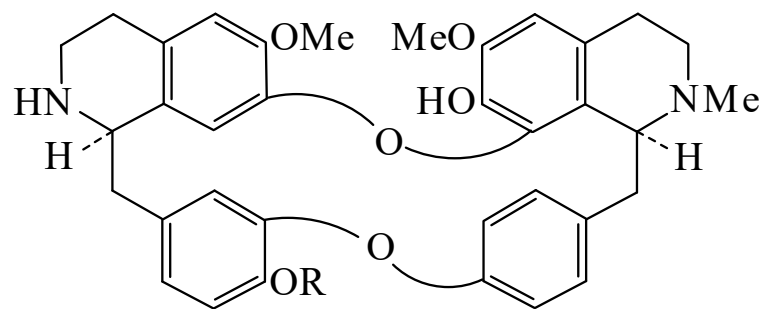




>>Entry Name: **Daphnoline**

Synonym(s): 6,6'-Dimethoxy-2-methoxyacanthan-7,12'-diol, 9Cl. Trilobamine



R = H

CAS Registry Number: 479-36-7

Molecular Formula: C₃₅H₃₆N₂O₆

Molecular Weight: 580.679

Accurate Mass: 580.257338

Percentage Composition: C 72.40%; H 6.25%; N 4.82%; O 16.53%

Biological Source: Alkaloid from the bark of *Daphnandra micrantha*, *Daphnandra aromatica* and *Doryphora aromatica*, the roots and stems of *Pycnarrhena longifolia*, the stems of *Albertisia papuana*, and from *Cocculus trilobus* (Atherospermatace)

Use/Importance: Vasodilator, oedematous agent, CNS depressant and respiratory paralytic

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 196-197°

Optical Rotation: [α]_D¹⁵ +356.6 (AcOH)

>>Derivative: O¹²-Me

see Daphnandrine, [CCF10-J](#)

>>Derivative: N-De-Me

Synonym(s): N,N'-Bisnoraromoline

CAS Registry Number: 38962-93-5

Molecular Formula: C₃₄H₃₄N₂O₆

Molecular Weight: 566.652

Accurate Mass: 566.241688

Percentage Composition: C 72.07%; H 6.05%; N 4.94%; O 16.94%

Biological Source: Alkaloid from leaves and stems of *Pycnarrhena ozantha* (Menispermaceae)

Physical Description: Needles (Me₂CO)

Melting Point: Mp 206° (*in vacuo*)

Optical Rotation: [α]_D²⁵ +177 (c, 0.5 in 1M HCl)

Solubility: BERDY SOL: Sol. CHCl₃-MeOH; fairly sol. Me₂CO

UV: [neutral] λ_{max} 285 (ε 7500) (MeOH) (Berdy)

>>Derivative: N-Me

see Aromoline, [CCD93-A](#)

>>Derivative: N,O¹²-Di-Me

see Homoaromoline, [CCF29-V](#)

>>Derivative: N,O⁷-Di-Me

see Oxyacanthine, [CCF39-Y](#)

>>Derivative: N,O⁷,O¹²-Tri-Me

see Obaberine, [CCD99-G](#)

References: