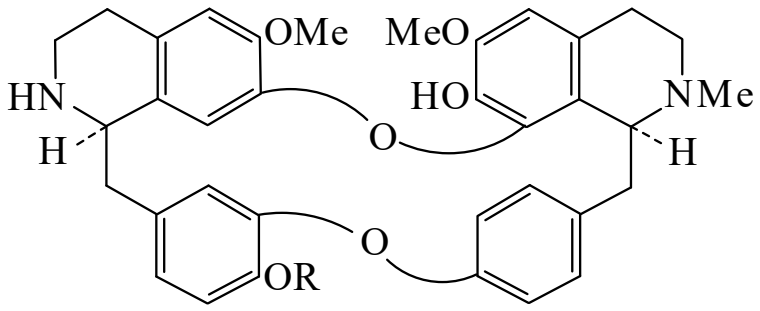
>>**Entry Name: Daphnoline**

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



R = H

CAS Registry Number: 479-36-7

Molecular Formula: $C_{35}H_{36}N_2O_6$
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. ($CHCl_3$)
Melting Point: Mp 196-197°
Optical Rotation: $[\alpha]_D^{15}$+356.6 (AcOH)

>>**Derivative:** O^{12}-Me
see Daphnandrine, CCF10-J

>>**Derivative:** *N*-De-Me
Synonym(s): *N,N'*-Bisnoraromoline

CAS Registry Number: 38962-93-5

Molecular Formula: $C_{34}H_{34}N_2O_6$
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 (Me_2CO)
Melting Point: Mp 206° (*in vacuo*)
Optical Rotation: $[\alpha]_D^{25}$+177 (c, 0.5 in 1M HCl)
Solubility: BERDY SOL: Sol. $CHCl_3$-MeOH; fairly sol. Me_2CO
UV: [neutral] λ_{max} 285 (ε 7500) (MeOH) (Berdy)

>>**Derivative:** *N*-Me
see Aromoline, CCD93-A

>>**Derivative:** N,O^{12}-Di-Me
see Homoaromoline, CCF29-V

>>**Derivative:** $N,O^{7'}$-Di-Me
see Oxyacanthine, CCF39-Y

>>**Derivative:** $N,O^{7'},O^{12}$-Tri-Me
see Obaberine, CCD99-G

References: