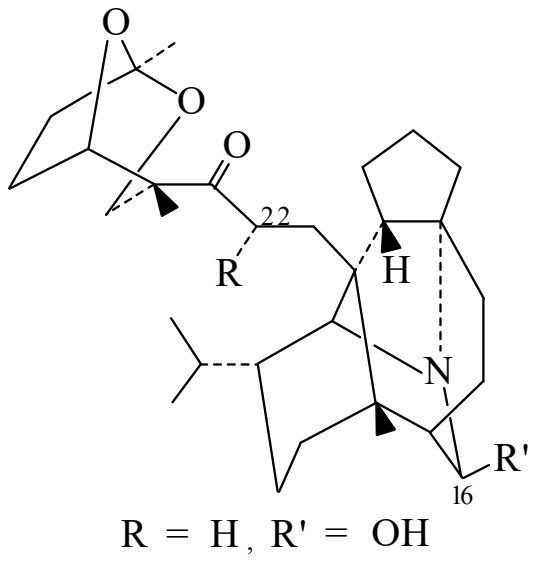
>>**Entry Name: Daphnimacropine**



R = H, R' = OH

CAS Registry Number: 20249-89-2

Molecular Formula: $C_{30}H_{47}NO_4$
Molecular Weight: 485.706
Accurate Mass: 485.350509
Percentage Composition: C 74.19%; H 9.75%; N 2.88%; O 13.18%
Biological Source: Alkaloid from the bark of *Daphniphyllum macropodum* (Daphniphyllaceae)

>>**Derivative:** Methiodide

Melting Point: Mp 306-307°

>>**Derivative:** Deoxy
Synonym(s): Codaphniphylline. Desacetoxydaphniphylline

CAS Registry Number: 14694-15-6

Molecular Formula: $C_{30}H_{47}NO_3$
Molecular Weight: 469.706
Accurate Mass: 469.355594
Percentage Composition: C 76.71%; H 10.09%; N 2.98%; O 10.22%
Biological Source: Alkaloid from the bark of *Daphniphyllum macropodum* (Daphniphyllaceae)
Physical Description: Noncryst.; cryst. ($CHCl_3$/Et_2O)(as hydrochloride)
Melting Point: Mp 266-267° (sealed tube)(as hydrochloride)
Optical Rotation: $[\alpha]_D$ +4.2 (c, 2.40 in $CHCl_3$)

>>**Derivative:** 16-Deoxy, 22-acetoxy
Synonym(s): Daphniphylline. Daphniphyllamine

CAS Registry Number: 15007-67-7

Molecular Formula: $C_{32}H_{49}NO_5$
Molecular Weight: 527.743
Accurate Mass: 527.361074
Percentage Composition: C 72.83%; H 9.36%; N 2.65%; O 15.16%
Biological Source: One of the main alkaloids from *Daphniphyllum macropodum* and *Daphniphyllum teijsmanni*. Also isol. from the bark of *Daphniphyllum gracile* and from the dried calyx and bract of *Hibiscus sabdariffa* (Daphniphyllaceae, Malvaceae)
Physical Description: Noncryst.

>>**Derivative:** 16-Deoxy, 22-acetoxy, hydrochloride

Physical Description: Needles ($CHCl_3$/Et_2O)
Melting Point: Mp 238-240° (sealed tube)
Optical Rotation: $[\alpha]_D$ +43.7 (c, 2.18 in $CHCl_3$)

>>**Derivative:** 16-Deoxy, 22-acetoxy, hydrobromide

Physical Description: Cryst. ($CHCl_3$/Et_2O or C_6H_6/hexane)
Melting Point: Mp 228-230°. Mp 245-246°

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