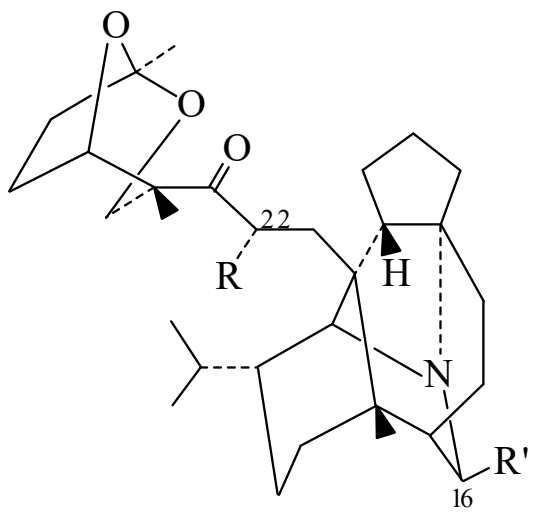
>>**Entry Name: Daphnimacropine**




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°