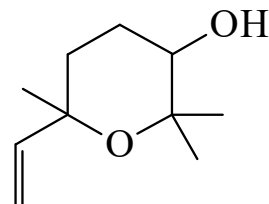




>>Entry Name: Tetrahydro-3-hydroxy-2,2,6-trimethyl-6-vinylpyran

Synonym(s): 6-Ethenyl-3,4,5,6-tetrahydro-2,2,6-trimethyl-2*H*-pyran-3-ol. 3-Hydroxy-2,2,6-trimethyl-6-vinyltetrahydropyran. **Cnidiol C**. Linalool 3,7-oxide



CAS Registry Number: 14049-11-7

Related CAS Registry Numbers(s): 11063-77-7 11063-78-8 14009-71-3 39028-58-5

Extra CAS Registry Numbers(s): 1365-19-1

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Biological Source: Constit. of *Tanacetum boreale* and *Ajania fastigiata*, *Citrus* spp. and others

Use/Importance: Important perfumery ingredient

Physical Description: Oil

Boiling Point: Bp₁₀ 97-98°

Optical Rotation: [α]_D²⁰+15.8

cis-forms respec.

>>Derivative: *O*-[β-D-Apiofuranosyl-(1→6)-β-D-glucopyranoside]

Extra CAS Registry Numbers(s): 184488-16-2 184488-17-3

Molecular Formula: C₂₁H₃₆O₁₁

Molecular Weight: 464.509

Accurate Mass: 464.225765

Percentage Composition: C 54.30%; H 7.81%; O 37.89%

Biological Source: Constit. of the leaves of *Camellia sinensis* var. *sinensis*

Other Data: Occurs as *cis*- and *trans*-isomers

>>Derivative: *O*-[β-D-Xylopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Linalool 3,7-oxide β-primeveroside

Molecular Formula: C₂₁H₃₆O₁₁

Molecular Weight: 464.509

Accurate Mass: 464.225765

Percentage Composition: C 54.30%; H 7.81%; O 37.89%

Biological Source: Constit. of *Camellia sinensis* var. *sinensis*

Other Data: *trans*-Isomer isol.

>>Derivative: Ac

CAS Registry Number: 67674-42-4

Molecular Formula: C₁₂H₂₀O₃

Molecular Weight: 212.288

Accurate Mass: 212.141245

Percentage Composition: C 67.89%; H 9.50%; O 22.61%

Biological Source: From *Tanacetum boreale* and *Ajania fastigiata*

Physical Description: Oil

Boiling Point: Bp₁₀ 98-99°

Optical Rotation: [α]_D²⁰+17.5