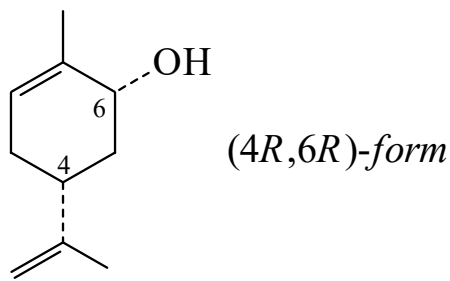




>>Entry Name: *p*-Mentha-1,8-dien-6-ol

ENTRY UNDER REVIEW

Synonym(s): 2-Methyl-5-(1-methylethenyl)-2-cyclohexen-1-ol. 5-Isopropenyl-2-methyl-2-cyclohexen-1-ol. **Carveol**. FEMA 2247



CAS Registry Number: 99-48-9

Related CAS Registry Numbers(s): 1197-06-4 1197-07-5

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Present in oil of grapefruit (*Citrus paradisi*), mandarin (*Citrus reticulata*), *Heracleum canescens*, *Cymbopogon martini* and present in blackcurrant berries,

Use/Importance: Used in perfumery. Flavouring ingredient

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

Aldrich: W22470-7

>>Variant: (4*R*,6*R*)-form

Synonym(s): (–)-*cis*-form

CAS Registry Number: 2102-59-2

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Constit. of valencia orange oil (*citrus sinensis*).

Use/Importance: Flavouring agent

Physical Description: Cryst. (hexane)

Melting Point: Mp 24-25°

Optical Rotation: [α]_D –30 (c, 2.1 in MeOH)

>>Derivative: *O*-β-D-Glucopyranoside

CAS Registry Number: 74284-29-0

Molecular Formula: C₁₆H₂₆O₆

Molecular Weight: 314.378

Accurate Mass: 314.17294

Percentage Composition: C 61.13%; H 8.34%; O 30.54%

Biological Source: Constit. of *Mentha gentilis cardiaca*

>>Variant: (4*R*,6*S*)-form

Synonym(s): (–)-*trans*-form

CAS Registry Number: 2102-58-1

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Constit. of Valencia orange essence oil and of the oil of *Cymbopogon* spp.

Physical Description: Oil

Boiling Point: Bp₁₀ 102.2-102.4°

Optical Rotation: [α]_D –213

>>Derivative: *O*-β-D-Glucopyranoside