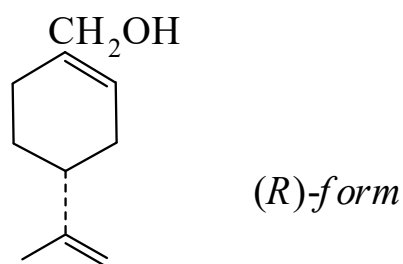




>>Entry Name: *p*-Mentha-1,8-dien-7-ol

ENTRY UNDER REVIEW

Synonym(s): 4-(1-Methylethenyl)-1-cyclohexene-1-methanol, 9CI. 1-Hydroxymethyl-4-isopropenylcyclohexene. **Perilla alcohol.** Perillyl alcohol. Dihydrocuminyl alcohol. Perillic alcohol. Perillol. NSC 641066



CAS Registry Number: 536-59-4

Related CAS Registry Numbers(s): 66141-69-3

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

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

Hazard & Toxicity: Severe skin irritant. LD₅₀ (rat, orl) 2100 mg/kg

Aldrich: 21839-1

>>Derivative: Ac

Synonym(s): Perillyl acetate

CAS Registry Number: 15111-96-3

Molecular Formula: C₁₂H₁₈O₂

Molecular Weight: 194.273

Accurate Mass: 194.13068

Percentage Composition: C 74.19%; H 9.34%; O 16.47%

>>Variant: (*R*)-form

CAS Registry Number: 57717-97-2

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

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

Optical Rotation: [α]_D +85.6

Aldrich: 42012-3

Fluka: 77303

>>Variant: (*S*)-form

CAS Registry Number: 18457-55-1

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

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

Biological Source: Occurs in a variety of essential oils, e.g. lavender, *Ocimum gratissimum*

Physical Description: Oil

Boiling Point: Bp 244.5°. Bp₁₁ 118-121°

Optical Rotation: [α]_D −97.5

Fluka: 77304

>>Derivative: Naphthylurethane

Physical Description: Cryst.

Melting Point: Mp 146-147°