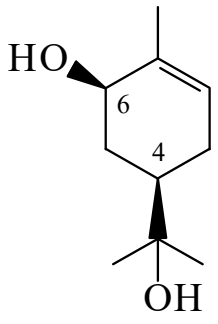
>>**Entry Name: *p*-Menth-1-ene-6,8-diol**

Synonym(s): 5-Hydroxy-α,α,4-trimethyl-3-cyclohexene-1-methanol, 9CI. 5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol. 6,8-Carvomenthenediol. **Sobrerol.** Cutepin. Lysmucol. Mucoflux. Sobrepin. Pinol hydrate. PR-S/109



(4*R*,6*R*)-*form*

CAS Registry Number: 498-71-5
Related CAS Registry Numbers(s): 42370-41-2 54164-89-5

Molecular Formula: $C_{10}H_{18}O_2$
Molecular Weight: 170.251
Accurate Mass: 170.13068
Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Use/Importance: Respiratory stimulant
Calculated Log P Data: Log P 0.54 (calc)

>>**Variant:** (4*R*,6*R*)-form
Synonym(s): (–)-*cis*-form

Molecular Formula: $C_{10}H_{18}O_2$
Molecular Weight: 170.251
Accurate Mass: 170.13068
Percentage Composition: C 70.55%; H 10.66%; O 18.80%
Melting Point: Mp 106-108°
Optical Rotation: $[\alpha]_D^{20}$–16 (EtOH)

>>**Variant:** (4*R*,6*S*)-form
Synonym(s): (–)-*trans*-form

Molecular Formula: $C_{10}H_{18}O_2$
Molecular Weight: 170.251
Accurate Mass: 170.13068
Percentage Composition: C 70.55%; H 10.66%; O 18.80%
Biological Source: Isol. from Bordeaux terpentine (*Pinus maritimus*)
Melting Point: Mp 148-149°
Optical Rotation: $[\alpha]_D^{20}$–150 (EtOH)

>>**Variant:** (4*RS*,6*RS*)-form
Synonym(s): (±)-*cis*-form

Molecular Formula: $C_{10}H_{18}O_2$
Molecular Weight: 170.251
Accurate Mass: 170.13068
Percentage Composition: C 70.55%; H 10.66%; O 18.80%
Melting Point: Mp 105-106°

>>**Variant:** (4*S*,6*R*)-form
Synonym(s): (+)-*trans*-form

CAS Registry Number: 38235-58-4
Molecular Formula: $C_{10}H_{18}O_2$
Molecular Weight: 170.251
Accurate Mass: 170.13068
Percentage Composition: C 70.55%; H 10.66%; O 18.80%
Melting Point: Mp 149°
Optical Rotation: $[\alpha]_D^{20}$+150 (EtOH)

>>**Derivative:** Benzoyl

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