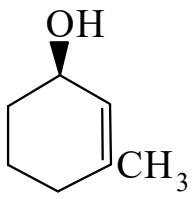
>>**Entry Name: 3-Methyl-2-cyclohexen-1-ol,** 9CI
Synonym(s): Seudenol



(*R*)-*form*

CAS Registry Number: 21378-21-2

Molecular Formula: $C_7H_{12}O$
Molecular Weight: 112.171
Accurate Mass: 112.088815
Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Aldrich: 19771-8
Sigma: M8760

>>**Variant:** (*R*)-form

CAS Registry Number: 18890-22-7
Molecular Formula: $C_7H_{12}O$
Molecular Weight: 112.171
Accurate Mass: 112.088815
Percentage Composition: C 74.95%; H 10.78%; O 14.26%
Boiling Point: $Bp_{20.5}$ 83-84°
Optical Rotation: $[\alpha]_D^{20}$+96 (c, 0.423 in $CHCl_3$)

>>**Variant:** (*S*)-form

CAS Registry Number: 60733-10-0
Molecular Formula: $C_7H_{12}O$
Molecular Weight: 112.171
Accurate Mass: 112.088815
Percentage Composition: C 74.95%; H 10.78%; O 14.26%
Boiling Point: Bp_{21} 82.5-83.5°
Optical Rotation: $[\alpha]_D^{20}$–96.3 (c, 0.458 in $CHCl_3$)

>>**Variant:** (±)-form

CAS Registry Number: 20053-41-2

Molecular Formula: $C_7H_{12}O$
Molecular Weight: 112.171
Accurate Mass: 112.088815
Percentage Composition: C 74.95%; H 10.78%; O 14.26%
Use/Importance: Aggregation pheromone of *Dendroctonus pseudotsugae*
Boiling Point: Bp_{28} 90-92°
Density: d_{25}^{25} 0.951
Refractive Index: n_D^{25} 1.4738

>>**Derivative:** 4-Nitrobenzoyl

Physical Description: Cryst. (hexane)
Melting Point: Mp 69-70°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 258B, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 158B, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 232D, *(ir)*
Mousseron, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1952, 1042, *(synth)*
Magnusson, G. *et al.*, *J.O.C.*, 1973, **38**, 1380, *(synth)*
Plummer, E.L. *et al.*, *J. Chem. Ecol.*, 1976, **2**, 397, *(isol)*
Org. Synth., 1977, **56**, 101, *(synth)*
Mori, K. *et al.*, *Tetrahedron*, 1978, **34**, 1901, *(synth)*
Mori, K. *et al.*, *Annalen*, 1988, 903, *(synth)*