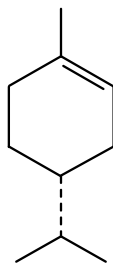




>>Entry Name: *p*-Menth-1-ene

Synonym(s): 1-Methyl-4-(1-methylethyl)cyclohexene. 4-Isopropyl-1-methylcyclohexene. Carvomenthene



CAS Registry Number: 5502-88-5

Related CAS Registry Numbers(s): 61585-35-1

Molecular Formula: C₁₀H₁₈

Molecular Weight: 138.252

Accurate Mass: 138.14085

Percentage Composition: C 86.88%; H 13.12%

>>Variant: (*R*)-form

CAS Registry Number: 1195-31-9

Molecular Formula: C₁₀H₁₈

Molecular Weight: 138.252

Accurate Mass: 138.14085

Percentage Composition: C 86.88%; H 13.12%

Biological Source: Constit. of *Rosa rugosa* oil

Physical Description: Oil

Boiling Point: Bp 175-177°

Optical Rotation: [α]_D +118 (neat)

Refractive Index: n_D²³ 1.4557

Fluka: 63655

Rare Chemicals Library: S45551-2

>>Variant: (*S*)-form

CAS Registry Number: 499-94-5

Molecular Formula: C₁₀H₁₈

Molecular Weight: 138.252

Accurate Mass: 138.14085

Percentage Composition: C 86.88%; H 13.12%

Biological Source: Isol. from *Mentha requienii* and *Skimmia laureola* oil

References:

Newhall, W.F., *J.O.C.*, 1958, **23**, 1274, (*synth*)

Sakai, T. *et al.*, *Nippon Kagaku Kaishi*, 1962, **83**, 745, (*isol*)

Thomas, A.F. *et al.*, *Helv. Chim. Acta*, 1964, **47**, 475, (*ms*)

Schnelle, F.J. *et al.*, *Planta Med.*, 1968, **16**, 48, (*isol*)

Sakota, N. *et al.*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 485, (*abs config*)

Choi, J. *et al.*, *Synthesis*, 1996, **26**, 597, (*synth, pmr, ms*)