



Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Biological Source: Occurs in oils of *Hyssopus officinalis*, *Michelia champaca* and *Perovskia angustifolia*

Physical Description: Cryst. (hexane)

Melting Point: Mp 67°

Boiling Point: Bp 217°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -57.2$ (c, 0.33 in MeOH)

>> **Variant:** (1*S*,2*R*,3*S*,5*R*)-form

Synonym(s): (+)-Neopinocampheol

CAS Registry Number: 36129-11-0

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Physical Description: Cryst. (hexane)

Melting Point: Mp 27°

Optical Rotation: $[\alpha]_{\text{D}}^{29} +14$ (c, 0.15 in MeOH)

>> **Variant:** (1*S*,2*S*,3*R*,5*R*)-form

Synonym(s): (–)-Neoisopinocampheol

CAS Registry Number: 35998-01-7

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Physical Description: Cryst. (hexane)

Melting Point: Mp 48°

Boiling Point: Bp 217°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -34.5$ (c, 0.75 in C₆H₆)

>> **Variant:** (1*S*,2*S*,3*S*,5*R*)-form

Synonym(s): (+)-Isopinocampheol

CAS Registry Number: 24041-60-9

Molecular Formula: C₁₀H₁₈O

Molecular Weight: 154.252

Accurate Mass: 154.135765

Percentage Composition: C 77.87%; H 11.76%; O 10.37%

Physical Description: Cryst. (hexane)

Melting Point: Mp 57°

Boiling Point: Bp 219°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +34.4$ (c, 10 in C₆H₆)

References:

Hückel, W. *et al.*, *Annalen*, 1966, **697**, 69-99, (*synth, config, bibl*)

Banthorpe, D.V. *et al.*, *Chem. Rev.*, 1966, **66**, 643-656, (*rev*)

Teisseire, P. *et al.*, *Recherches*, 1967, 59-67, (*struct*)

Hirata, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 599-603, (*synth, ir, pmr*)

Coxon, J.M. *et al.*, *J.C.S. Perkin 2*, 1984, 1351-1355, (*cmr*)

Org. Synth., Coll. Vol., 9, 1998, 522-526, (*Isopinocampheol, synth, ir, pmr, cmr*)

Wang, Z.-M. *et al.*, *Tetrahedron: Asymmetry*, 1999, **10**, 667-670, (*synth*)