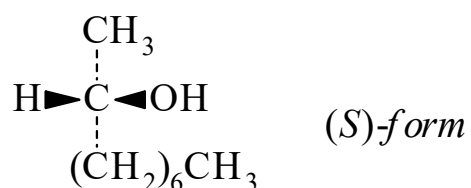




>>Entry Name: 2-Nonanol, 9CI, 8CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 3315



CAS Registry Number: 628-99-9

Related CAS Registry Numbers(s): 70419-07-7

Extra CAS Registry Numbers(s): 28473-21-4

Molecular Formula: C₉H₂₀O

Molecular Weight: 144.256

Accurate Mass: 144.151415

Percentage Composition: C 74.94%; H 13.97%; O 11.09%

Biological Source: Isol. from various essential oils, e.g. *Larix laricina*, *Larix lyallii*, *Citrus sinensis*, *Zingiber officinale*, *Anthocephalus cadamba*

Aldrich: W33150-3

Fluka: 74290

>>Variant: (S)-form

CAS Registry Number: 70419-06-6

Molecular Formula: C₉H₂₀O

Molecular Weight: 144.256

Accurate Mass: 144.151415

Percentage Composition: C 74.94%; H 13.97%; O 11.09%

Boiling Point: Bp₁₉ 105°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +11.9$ (C₆H₆)

>>Variant: (±)-form

CAS Registry Number: 74683-66-2

Molecular Formula: C₉H₂₀O

Molecular Weight: 144.256

Accurate Mass: 144.151415

Percentage Composition: C 74.94%; H 13.97%; O 11.09%

Melting Point: Fp -35°

Boiling Point: Bp 193-194°. Bp₁₀ 84-86°

>>Derivative: Ac

CAS Registry Number: 14936-66-4

Molecular Formula: C₁₁H₂₂O₂

Molecular Weight: 186.294

Accurate Mass: 186.16198

Percentage Composition: C 70.92%; H 11.90%; O 17.18%

Boiling Point: Bp₃₀ 108-109°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 43-45°

>>Derivative: Me ether

Synonym(s): 2-Methoxynonane

CAS Registry Number: 54894-33-6

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Boiling Point: Bp 186-188°

References: