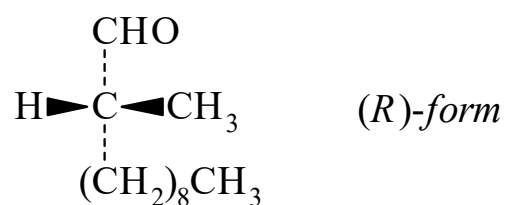




>>Entry Name: 2-Methylundecanal, 9CI

Synonym(s): 2-Methylnonylacetaldehyde. Aldehyde MNA. FEMA 2749



CAS Registry Number: 110-41-8

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Use/Importance: Important perfumery ingredient

Other Data: Enantiomers show little difference in odour props.

Aldrich: W27491-7

>>Variant: (R)-form

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Boiling Point: Bp_{9.75} 114°

Optical Rotation: [α]_D²⁵ -13.7 (neat) (96% ee)

>>Variant: (S)-form

CAS Registry Number: 128871-20-5

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Boiling Point: Bp₁₀ 115°

Optical Rotation: [α]_D²⁵ +13.7 (neat)

>>Variant: (±)-form

CAS Registry Number: 135026-96-9

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Use/Importance: Used in perfumery in conifer formulations. Flavouring agent

Physical Description: Liq. with ambergris-like fatty odour

Boiling Point: Bp 171°. Bp₁₀ 114°

Refractive Index: n_D²⁰ 1.4321

Hazard & Toxicity: Fl. p. 69°

>>Derivative: Semicarbazone

CAS Registry Number: 16742-16-8

Melting Point: Mp 86°

References: