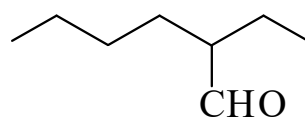




>>Entry Name: 2-Ethylhexanal, 9CI



CAS Registry Number: 123-05-7

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (mus, orl) 3550 mg/kg

Aldrich: E2910-9

Fluka: 3290

Rare Chemicals Library: S43655-0

>>Variant: (+)-form

CAS Registry Number: 58712-09-7

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Physical Description: Liq.

Optical Rotation: $[\alpha]_D^{23} +0.18$ (c, 20.5 in C₆H₆)

>>Variant: (–)-form

CAS Registry Number: 58735-67-4

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Physical Description: Liq.

Boiling Point: Bp₂₀ 60-61°

Optical Rotation: $[\alpha]_D^{23} -0.1$ (c, 3.19 in C₆H₆)

>>Variant: (±)-form

CAS Registry Number: 58712-00-8

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Biological Source: Isol. from *Melia azedarach* (the Sendan tree)

Use/Importance: Has antimicrobial activity

Physical Description: Liq.

Boiling Point: Bp 160°

>>Derivative: Oxime

CAS Registry Number: 34612-83-4

Molecular Formula: C₈H₁₇NO

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Physical Description: Liq.

Boiling Point: Bp₁₀ 104-106°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 14086-22-7

Physical Description: Orange-yellow needles (EtOH)

Melting Point: Mp 122-123°

References: