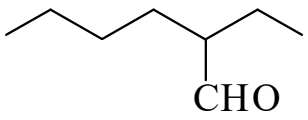
>>**Entry Name: 2-Ethylhexanal,** 9CI



CAS Registry Number: 123-05-7

Molecular Formula: $C_8H_{16}O$
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. LD_{50} (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: $C_8H_{16}O$
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 C_6H_6)

>>**Variant:** (–)-form

CAS Registry Number: 58735-67-4
Molecular Formula: $C_8H_{16}O$
Molecular Weight: 128.214
Accurate Mass: 128.120115
Percentage Composition: C 74.94%; H 12.58%; O 12.48%
Physical Description: Liq.
Boiling Point: Bp_{20} 60-61°
Optical Rotation: $[\alpha]_D^{23}$–0.1 (c, 3.19 in C_6H_6)

>>**Variant:** (±)-form

CAS Registry Number: 58712-00-8

Molecular Formula: $C_8H_{16}O$
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: $C_8H_{17}NO$
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: Bp_{10} 104-106°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

CAS Registry Number: 14086-22-7
Physical Description: Orange-yellow needles (EtOH)
Melting Point: Mp 122-123°

References:

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