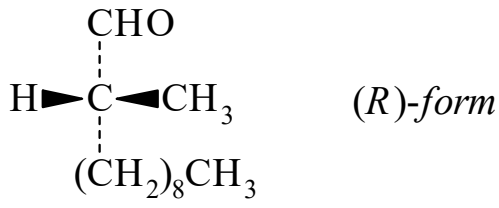
>>**Entry Name: 2-Methylundecanal,** 9CI
Synonym(s): 2-Methylnonylacetaldehyde. Aldehyde MNA. FEMA 2749



(*R*)-*form*

CAS Registry Number: 110-41-8

Molecular Formula: $C_{12}H_{24}O$
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: $C_{12}H_{24}O$
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: $[\alpha]_D^{25}$ –13.7 (neat) (96% ee)

>>**Variant:** (*S*)-form

CAS Registry Number: 128871-20-5
Molecular Formula: $C_{12}H_{24}O$
Molecular Weight: 184.321
Accurate Mass: 184.182715
Percentage Composition: C 78.20%; H 13.12%; O 8.68%
Boiling Point: Bp_{10} 115°
Optical Rotation: $[\alpha]_D^{25}$ +13.7 (neat)

>>**Variant:** (±)-form

CAS Registry Number: 135026-96-9

Molecular Formula: $C_{12}H_{24}O$
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°. Bp_{10} 114°
Refractive Index: n_D^{20} 1.4321
Hazard & Toxicity: Fl. p. 69°

>>**Derivative:** Semicarbazone

CAS Registry Number: 16742-16-8
Melting Point: Mp 86°

References:

https://www.baizuoyan.com - CopyRight ©baizuoyan