



>>Entry Name: 3-Methyl-2-butenal, 9CI

ENTRY UNDER REVIEW

Synonym(s): 3-Methylcrotonaldehyde, 8CI. 3,3-Dimethylacrolein. Senecioaldehyde. Senecialdehyde. FEMA 3646

CAS Registry Number: 107-86-8

$(\text{H}_3\text{C})_2\text{C}=\text{CHCHO}$

Molecular Formula: $\text{C}_5\text{H}_8\text{O}$

Molecular Weight: 84.118

Accurate Mass: 84.057515

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Isol. from *Tanacetum balsamita*

Use/Importance: Flavouring ingredient

Physical Description: Liq. with almond odour.

Boiling Point: Bp 132-133°

Density: d_4^{20} 0.872

Refractive Index: n_D^{20} 1.4526

Other Data: Readily oxidised

Aldrich: 30407-7

Fluka: 66260

>>Derivative: Phenylhydrazone

Physical Description: Reddish-violet cryst.

Melting Point: Mp 161-162°

>>Derivative: Semicarbazone

Physical Description: Cryst. (MeOH)

Melting Point: Mp 221-222°

>>Derivative: Di-Et acetal

Synonym(s): 1,1-Diethoxy-3-methyl-2-butene

CAS Registry Number: 1740-74-5

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}_2$

Molecular Weight: 158.24

Accurate Mass: 158.13068

Percentage Composition: C 68.31%; H 11.46%; O 20.22%

Boiling Point: Bp 163-165°

Other Data: Easily dec.

References:

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