



>>Entry Name: 2-Nonenal, 9CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 3213

CAS Registry Number: 2463-53-8

$\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}=\text{CHCHO}$

Molecular Formula:  $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

>>Variant: (*E*)-form

CAS Registry Number: 18829-56-6

Molecular Formula:  $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Biological Source: Widespread in nature, in beer, coffee, watermelon, cucumbers, redcurrants, palm oil, potatoes etc.

Use/Importance: Perfumery and flavouring ingredient

Physical Description: Liq.

Boiling Point:  $\text{Bp}_{11.5}$  88-90° (lit. gives a pressure range)

Aldrich: W32130-3

>>Derivative: Semicarbazone

CAS Registry Number: 16742-24-8

Physical Description: Small needles (MeOH)

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 18287-00-8

Physical Description: Orange-red needles (EtOH)

Melting Point: Mp 126°

>>Variant: (*Z*)-form

CAS Registry Number: 60784-31-8

Molecular Formula:  $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Physical Description: No physical data publ.

>>Derivative: Semicarbazone

Physical Description: Cryst. (MeOH)

Melting Point: Mp 141°

#### References:

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