>>**Entry Name: 3,5,5-Trimethylhexanal,** 9CI, 8CI
ENTRY UNDER REVIEW
Synonym(s): FEMA 3524

CAS Registry Number: 5435-64-3
$(H_3C)_3CCH_2CH(CH_3)CH_2CHO$

Molecular Formula: $C_9H_{18}O$
Molecular Weight: 142.241
Accurate Mass: 142.135765
Percentage Composition: C 76.00%; H 12.75%; O 11.25%

Aldrich: W35240-3

>>**Variant:** (±)-form

Molecular Formula: $C_9H_{18}O$
Molecular Weight: 142.241
Accurate Mass: 142.135765
Percentage Composition: C 76.00%; H 12.75%; O 11.25%
Use/Importance: Perfumery ingredient
Physical Description: Liq. with camphoraceous odour
Boiling Point: Bp 170-171°. $Bp_{2.5}$ 67-68°
Density: d_4^{25}0.82
Refractive Index: n_D^{23} 1.4205

>>**Derivative:** Semicarbazone

Physical Description: Cryst. (MeOH)
Melting Point: Mp 115°

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

Melting Point: Mp 94-95°

References:

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