>>**Entry Name: 2-Dodecenal**
ENTRY UNDER REVIEW
Synonym(s): FEMA 2402

CAS Registry Number: 4826-62-4
$H_3C(CH_2)_8CH=CHCHO$

Molecular Formula: $C_{12}H_{22}O$
Molecular Weight: 182.305
Accurate Mass: 182.167065
Percentage Composition: C 79.06%; H 12.16%; O 8.78%
Hazard & Toxicity: Skin irritant. LD_{50} (rat, orl) >5000 mg/kg

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

CAS Registry Number: 20407-84-5
Type of Compound Code(s): VA0500
Molecular Formula: $C_{12}H_{22}O$
Molecular Weight: 182.305
Accurate Mass: 182.167065
Percentage Composition: C 79.06%; H 12.16%; O 8.78%
Biological Source: Present in many foods including citrus, peel, ginger, carrots, milk, roast peanuts, roast beef and cured pork. Also found in the millipede *Rhinocricus insulatus*
Use/Importance: Flavouring agent
Boiling Point: Bp_{10} 125-128°. $Bp_{0.5}$ 73.4°
Aldrich: W24020-6

>>**Derivative:** Semicarbazone

CAS Registry Number: 16742-26-0
Melting Point: Mp 165.5-166°

References:

Bedoukian, P.Z*., J.A.C.S.*, 1957, **79**, 889
Wheeler, J.W. *et al.*, *Science (Washington, D.C.)*, 1964, **144**, 540
Naves, Y.R. *et al.*, *Helv. Chim. Acta*, 1967, **50**, 1461, *(ir)*
Opdyke, D.L.J. *et al.*, *Food Chem. Toxicol.*, 1983, **21**, 849, *(rev, tox)*
Chang, Y.H. *et al.*, *Synthesis*, 1990, 1033, *(synth)*
Lewis, R.J*., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, DXU280