



>>Entry Name: 10-Undecenal, 9CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 3095

CAS Registry Number: 112-45-8

Extra CAS Registry Numbers(s): 1337-83-3

$\text{H}_2\text{C}=\text{CH}(\text{CH}_2)_8\text{CHO}$

Molecular Formula: $\text{C}_{11}\text{H}_{20}\text{O}$

Molecular Weight: 168.278

Accurate Mass: 168.151415

Percentage Composition: C 78.51%; H 11.98%; O 9.51%

Biological Source: Found in coriander leaf (*Coriandrum sativum*)

Use/Importance: Perfumery and flavouring ingredient

Physical Description: Liq. with heavy flowery odour

Boiling Point: Bp_{10} 101-103°

Refractive Index: n_D^{21} 1.4464

Hazard & Toxicity: Skin irritant

Aldrich: 13227-6

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 91°

References:

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Gringas, B.A. *et al.*, *Can. J. Chem.*, 1960, **38**, 712-719, (ir)

Hideg, K. *et al.*, *J.C.S. Perkin 1*, 1986, 1431-1438, (synth)

Lewis, R.J., *Food Additives Handbook*, Van Nostrand Reinhold International, New York, 1989, ULJ000

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992