



CAS Registry Number: 7779-94-4
Molecular Formula: C₁₄H₃₀O₃
Molecular Weight: 246.389
Accurate Mass: 246.219495
Percentage Composition: C 68.25%; H 12.27%; O 19.48%
Use/Importance: Used in citrus fruit flavouring
Boiling Point: Bp 260°
Density: d 0.92

>>**Derivative:** Me ether

Synonym(s): 3,7-Dimethyl-7-methoxyoctanal. Methoxydihydrocitronellal

CAS Registry Number: 3613-30-7
Molecular Formula: C₁₁H₂₂O₂
Molecular Weight: 186.294
Accurate Mass: 186.16198
Percentage Composition: C 70.92%; H 11.90%; O 17.18%
Use/Importance: Used in perfumery
Physical Description: Liq. with fresh blossom odour
Boiling Point: Bp_{0.45} 60°
Refractive Index: n_D²⁵ 1.4380

Aldrich: 21877-4

References:

- Aldrich Library of NMR Spectra*, 2nd edn., 1983, **1**, 361A, (*deriv*)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 470C, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 569B, (*ir, deriv*)
Skoriantez, W. *et al.*, *Helv. Chim. Acta*, 1971, **54**, 1797, (*synth, ir, pmr, ms*)
Opdyke, D.L.J., *Food Cosmet. Toxicol.*, 1974, **12**, 921, (*rev, tox*)
Ishino, R. *et al.*, *J.O.C.*, 1974, **39**, 108, (*synth*)
Bohlmann, F. *et al.*, *Org. Magn. Reson.*, 1975, **7**, 426, (*cmr*)
Fischli, A., *Helv. Chim. Acta*, 1978, **61**, 2560, (*synth, ir, pmr, ms*)
Wang, D.J., *CA*, 1980, **92**, 124929d, (*occur*)
Tani, K. *et al.*, *J.A.C.S.*, 1984, **106**, 5208
Blakeway, J.M. *et al.*, *Int. J. Cosmet. Sci.*, 1987, **9**, 203, (*di-Et acetal*)
Lewis, R.J., *Food Additives Handbook*, Van Nostrand Reinhold International, New York, 1989, CMS850
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992; DSM800