



>>Entry Name: 10-Undecen-1-ol

ENTRY UNDER REVIEW

Synonym(s): Undecylenic alcohol

CAS Registry Number: 112-43-6

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

Molecular Formula: $\text{C}_{11}\text{H}_{22}\text{O}$

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Use/Importance: Pheromone. Perfumery ingredient

Physical Description: Liq.

Melting Point: Fp -2°

Boiling Point: Bp₁₄ 133° . Bp₆ $123-125^\circ$

Hazard & Toxicity: Skin irritant

Aldrich: U200-8

Fluka: 94160

>>Derivative: Ac

Synonym(s): FEMA 3096

CAS Registry Number: 112-19-6

Molecular Formula: $\text{C}_{13}\text{H}_{24}\text{O}_2$

Molecular Weight: 212.331

Accurate Mass: 212.17763

Percentage Composition: C 73.54%; H 11.39%; O 15.07%

Boiling Point: Bp 272° . Bp₇ $125-127^\circ$

Density: d²⁰ 0.88

Sigma: U4503

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 145D, (ir)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 218A, (nmr)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 214A, (ir)

Bestmann, H.J. *et al.*, *Tet. Lett.*, 1977, 121, (synth)

Miyaura, N. *et al.*, *Tetrahedron*, 1982, **39**, 3271, (synth)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 717

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 2876-2877; 2878

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, UMA000; UMS000