



>>Entry Name: Benzyl acetate

ENTRY UNDER REVIEW

Synonym(s): FEMA 2135

CAS Registry Number: 140-11-4

$\text{H}_3\text{CCOOCH}_2\text{Ph}$

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}_2$

Molecular Weight: 150.177

Accurate Mass: 150.06808

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Biological Source: Occurs in jasmin and other plant sources

Use/Importance: Used in perfumery. Flavouring agent

Physical Description: Liq. with jasmine odour and bitter, pungent taste

Boiling Point: Bp 215.5-216°. Bp₁₀₂ 134°

Density: d_{25}^{25} 1.05

Refractive Index: n_D^{25} 1.4994

Hazard & Toxicity: Skin irritant. LD₅₀ (rat, orl) 2490 mg/kg

Aldrich: W21351-9

Fluka: 45850

Supelco: 47-2135

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 277A, (ir)

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Merker, R.L. *et al.*, *J.O.C.*, 1961, **26**, 5180, (synth)

Opdyke, D.L.J., *Food Cosmet. Toxicol.*, 1973, **11**, 875, (rev, tox)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1981, **9**, 82, (use)

Lewis, R.J., *Food Additives Handbook*, Van Nostrand Reinhold International, New York, 1989, BDX000

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 259-260, (occur, props)

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