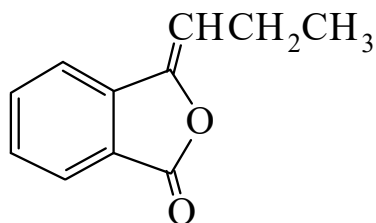




>>Entry Name: 3-Propylidene-1(3H)-isobenzofuranone, 9CI

ENTRY UNDER REVIEW

Synonym(s): 3-Propylidenephthalide. FEMA 2952



CAS Registry Number: 17369-59-4

Molecular Formula: C₁₁H₁₀O₂

Molecular Weight: 174.199

Accurate Mass: 174.06808

Percentage Composition: C 75.84%; H 5.79%; O 18.37%

Use/Importance: Flavouring ingredient

Physical Description: Liq. with spicy herbaceous flavour

Boiling Point: Bp₁₅ 173-175°. Bp₄ 146-149°

Hazard & Toxicity: Skin irritant. LD₅₀ (rat, orl) 1650 mg/kg

Aldrich: W29520-5

References:

Mowry, D.T. *et al.*, *J.A.C.S.*, 1949, **71**, 120-122, (*synth*)

Tatsuo, K. *et al.*, *Yakugaku Zasshi*, 1953, **73**, 336-338; *CA*, **48**, 2661g, (*synth*)

Arcus, C.L. *et al.*, *J.C.S.*, 1956, 1627-1633, (*synth*)

Knight, D.W. *et al.*, *J.C.S. Perkin 1*, 1975, 635-640, (*synth*, *ir*, *pmr*, *ms*)

Opdyke, D.L.J., *Food Cosmet. Toxicol.*, 1978, **16**, 865; *CA*, **91**, 216638s, (*tox*)

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