



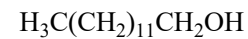
>>Entry Name: 1-Tridecanol

Synonym(s): Tridecyl alcohol

CAS Registry Number: 112-70-9

Related CAS Registry Numbers(s): 26248-42-0 27458-92-0

Extra CAS Registry Numbers(s): 26248-42-0



Molecular Formula: $\text{C}_{13}\text{H}_{28}\text{O}$

Molecular Weight: 200.364

Accurate Mass: 200.214015

Percentage Composition: C 77.93%; H 14.08%; O 7.99%

Biological Source: Rare component of lepidopteran pheromones e.g. summer fruit tortrix moth *Adoxophyes orana fasciata*

Melting Point: Mp 32.5-33.5°

Boiling Point: Bp 274°. Bp₁₅ 155-156°. Bp_{0.5} 117°

Other Data: Isotridecanol (Tridecanol A) is a mixt. of tridecanol isomers marketed as a solvent

Hazard & Toxicity: Fl. p. 121° (oc). Skin irritant. LD₅₀ (rat, orl) approx. 17000 mg/kg; LD₅₀ (rbt, skn) 5600 mg/kg

Aldrich: T5763-0

Fluka: 91520

Sigma: T6757

>>Derivative: Propanoyl

Molecular Formula: $\text{C}_{16}\text{H}_{32}\text{O}_2$

Molecular Weight: 256.428

Accurate Mass: 256.24023

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Melting Point: Mp -0.4°

Boiling Point: Bp₃₀ 195°

>>Derivative: 4-Nitrobenzoyl

Melting Point: Mp 37.4°

References:

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