

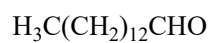


>>Entry Name: Tetradecanal

ENTRY UNDER REVIEW

Synonym(s): Myristic aldehyde. Myristaldehyde. Tetradecylaldehyde. FEMA 2763

CAS Registry Number: 124-25-4



Molecular Formula: C₁₄H₂₈O

Molecular Weight: 212.375

Accurate Mass: 212.214015

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Biological Source: Isol. from *Ocotea usambarensis*, lemon oil etc. Common constituent of Lepidopteran sex pheromones

Melting Point: Mp 30° (23°)

Boiling Point: Bp₁₀ 155°

Other Data: Trimerises to a white solid Mp 65°

Hazard & Toxicity: Skin irritant. LD₅₀ (rat, orl) >5000 mg/kg

Aldrich: T1000-6

Fluka: 70060

Rare Chemicals Library: S43190-7

>>Derivative: Oxime

Molecular Formula: C₁₄H₂₉NO

Molecular Weight: 227.389

Accurate Mass: 227.224914

Percentage Composition: C 73.95%; H 12.85%; N 6.16%; O 7.04%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 82-83°

>>Derivative: Semicarbazone

Physical Description: Cryst. (MeOH)

Melting Point: Mp 106.5°

References:

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