



>>Entry Name: Pentane, 9CI

CAS Registry Number: 109-66-0



Molecular Formula: C₅H₁₂

Molecular Weight: 72.15

Accurate Mass: 72.0939

Percentage Composition: C 83.24%; H 16.76%

Biological Source: Found in petroleum, constit. of low-boiling petrol. Also isol. from oil of *Humulus lupulus* (hop)

Use/Importance: Blended into gasoline; used as solvent

Physical Description: Volatile liq.

Melting Point: Fp -129°

Boiling Point: Bp 36°

Solubility: Sl. sol. H₂O

Density: d₄²⁰ 0.626

Refractive Index: n_D²⁰ 1.3577

Hazard & Toxicity: Extremely flammable, fl. p. -49°, autoignition temp. 243°. High conc. narcotic. OES: long-term 600 ppm; short-term 750 ppm

Aldrich: 41472-7

Fluka: 76874

Sigma: P7964

Supelco: 44-2746

References:

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