



>>Entry Name: 4-Methyldecane

ENTRY UNDER REVIEW

CAS Registry Number: 2847-72-5



Molecular Formula: C₁₁H₂₄

Molecular Weight: 156.311

Accurate Mass: 156.1878

Percentage Composition: C 84.52%; H 15.48%

>>Variant: (±)-form

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Accurate Mass: 156.1878

Percentage Composition: C 84.52%; H 15.48%

Boiling Point: Bp 187°. Bp₁₂ 71-72°

Density: d₄²⁰ 0.742

Refractive Index: n_D²⁰ 1.4175

>>Variant: (ξ)-form

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Molecular Weight: 156.311

Accurate Mass: 156.1878

Percentage Composition: C 84.52%; H 15.48%

Use/Importance: Constit. of the secretion of the Dufour's glands of ants. Also isol. from aroma volatiles of chick pea (*Cicer arietinum*), coconut flesh (*cocos nucifera*), cooked beef and wheat

References:

Letsinger, R.L. *et al.*, *J.A.C.S.*, 1948, **70**, 3342; 1950, **72**, 849, (*synth*)

Mann, G. *et al.*, *Tetrahedron*, 1967, **23**, 3393, (*conformn, props*)

Lehmkuhl, H. *et al.*, *Annalen*, 1975, 145, (*synth*)

Netzel, D.A. *et al.*, *Fuel*, 1981, **60**, 307, (*cmr*)

Lipshutz, B.H. *et al.*, *J.O.C.*, 1984, **49**, 3928, (*synth*)

Leed, G.M. *et al.*, *J. Food Sci.*, 1987, **52**, 42-45; 56, (*occur, beef*)

Rembold, H. *et al.*, *J. Agric. Food Chem.*, 1989, **37**, 659-662, (*occur, chick pea*)

Bagneres, A.G. *et al.*, *Biochem. Syst. Ecol.*, 1991, **19**, 25, (*isol*)