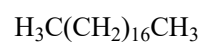




>>Entry Name: Octadecane

CAS Registry Number: 593-45-3



Molecular Formula: $\text{C}_{18}\text{H}_{38}$

Molecular Weight: 254.498

Accurate Mass: 254.29735

Percentage Composition: C 84.95%; H 15.05%

Biological Source: Isol. from plant oils and waxes, e.g. *Piper longum*, *Ulex europaeus*, hop and rose oil

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 28°

Boiling Point: Bp 305-307° (317°). Bp₁₅ 180-183°

Hazard & Toxicity: Fl. p. >100°, autoignition temp. 227°

Aldrich: O-65-2

Fluka: 74710

Sigma: O1876

Supelco: 44-2697

References:

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Schrauth, W. *et al.*, *Ber.*, 1931, **64**, 1314, (*synth*)

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Nyburg, S.C. *et al.*, *Acta Cryst. B*, 1972, **28**, 2992, (*cryst struct*)

Trenner, N.R. *et al.*, *J. Chromatogr.*, 1972, **71**, 415, (*glc*)

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