

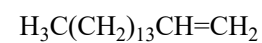


>>Entry Name: 1-Hexadecene

Synonym(s): Cetene. Dialene 16

CAS Registry Number: 629-73-2

Extra CAS Registry Numbers(s): 26952-14-7



Molecular Formula: C₁₆H₃₂

Molecular Weight: 224.429

Accurate Mass: 224.2504

Percentage Composition: C 85.63%; H 14.37%

Biological Source: Constit. of various plant spp. Defensive secretion of the beetle *Trilobium* sp.

Use/Importance: Polymer substrate

Melting Point: Mp 4.1°

Boiling Point: Bp 284°. Bp₁₅ 157.5°

Hazard & Toxicity: Fl. p. >77°, autoignition temp. 240°

Aldrich: H700-9

Fluka: 52280

Sigma: H2131

Supelco: R42-1116

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 21B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 16A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 21A, (*ir*)

Roberti, G. *et al.*, *CA*, 1942, **36**, 5767, (*synth*)

Field, F.H., *J.A.C.S.*, 1968, **90**, 5649, (*ms*)

Vinuits'kii, O.M. *et al.*, *Neftekhimiya*, 1969, **9**, 767, (*synth*)

Jeropoulos, S. *et al.*, *Chem. Comm.*, 1986, 1621, (*synth*)