



>>Entry Name: 1,16-Hexadecanediol, 9CI

CAS Registry Number: 7735-42-4

Related CAS Registry Numbers(s): 23079-20-1

$\text{HOCH}_2(\text{CH}_2)_{14}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{16}\text{H}_{34}\text{O}_2$

Molecular Weight: 258.443

Accurate Mass: 258.25588

Percentage Composition: C 74.36%; H 13.26%; O 12.38%

Biological Source: Isol. from waxes of conifers, eg. *Pinus thunbergii*, *Thuja orientalis* and from *Cycas revoluta*

Physical Description: Needles (C_6H_6), platelets (EtOH)

Melting Point: Mp 91.5°

Sigma: H3390

References:

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 129B, (pmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 200A, (ir)

Chiut, P., *Helv. Chim. Acta*, 1926, **9**, 264; 274, (synth)

Kariyone, T. *et al.*, *CA*, 1952, **46**, 5869; 1956, **50**, 13748; 1959, **53**, 10031, (isol)

Tanaka, A., *Yakugaku Zasshi*, 1959, **79**, 1327, (synth)

Taits, S.Z. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1963, 1289; *CA*, **59**, 13990, (synth)

Saotome, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1966, **39**, 480, (synth)

Nakamura, N. *et al.*, *Acta Cryst. C*, 1994, **50**, 946, (cryst struct)

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