



>>Entry Name: 1-Heptadecanol

Synonym(s): Heptadecyl alcohol

CAS Registry Number: 1454-85-9

Related CAS Registry Numbers(s): 5910-79-2

$\text{H}_3\text{C}(\text{CH}_2)_{15}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{17}\text{H}_{36}\text{O}$

Molecular Weight: 256.471

Accurate Mass: 256.276615

Percentage Composition: C 79.61%; H 14.15%; O 6.24%

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 54°

Boiling Point: Bp 308°

Hazard & Toxicity: Fl. p. 154° (oc)

Aldrich: 24169-5

Fluka: 51590

Sigma: H5754

>>Derivative: O-Sulfate

Molecular Formula: $\text{C}_{17}\text{H}_{36}\text{O}_4\text{S}$

Molecular Weight: 336.535

Accurate Mass: 336.23343

Percentage Composition: C 60.67%; H 10.78%; O 19.02%; S 9.53%

Biological Source: Isol. from the tunicate *Sidnyum turbinatum*

Physical Description: Amorph. solid (as Na salt)

>>Derivative: 4-Nitrobenzyl

Melting Point: Mp 54°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 113B, (*ir*)

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 168B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 159C, (*ir*)

Watanabe, A., *Bull. Chem. Soc. Jpn.*, 1954, **32**, 1295, (*synth*)

Aiello, A. *et al.*, *J. Nat. Prod.*, 2001, **64**, 219-221, (*sulfate, isol*)