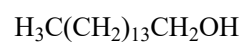




>>Entry Name: 1-Pentadecanol

CAS Registry Number: 629-76-5



Molecular Formula: C₁₅H₃₂O

Molecular Weight: 228.417

Accurate Mass: 228.245315

Percentage Composition: C 78.88%; H 14.12%; O 7.00%

Biological Source: Isol. from oil of *Cinnamonum micranthum* and wax of *Agave sisalana*

Physical Description: Cryst.

Melting Point: Mp 45-46°

Boiling Point: Bp_{0.2} 112-114°

Aldrich: 41222-8

Fluka: 76520

Sigma: P3772

>>Derivative: Formyl

Molecular Formula: C₁₆H₃₂O₂

Molecular Weight: 256.428

Accurate Mass: 256.24023

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Physical Description: Cryst.

Melting Point: Mp 13.7°

Boiling Point: Bp₃₀ 201°

>>Derivative: 4-Hydroxybenzoyl

Synonym(s): Pentadecyl 4-hydroxybenzoate

Molecular Formula: C₂₂H₃₆O₃

Molecular Weight: 348.525

Accurate Mass: 348.266445

Percentage Composition: C 75.82%; H 10.41%; O 13.77%

Biological Source: Constit. of *Zataria multiflora*

Physical Description: Gum

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 112D, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 167C, (*nmr*)

Ruhoff, J.R. *et al.*, *J.A.C.S.*, 1933, **55**, 3825, (*synth*)

Fujita, Y. *et al.*, *CA*, 1944, **41**, 3509, (*isol*)

Dauben, W.G., *J.A.C.S.*, 1948, **70**, 1376, (*synth*)

Razafindrazaka, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1963, 1633, (*isol*)

Shaiq Ali, M. *et al.*, *Phytochemistry*, 2000, **55**, 933-936, (*4-hydroxybenzoyl*)