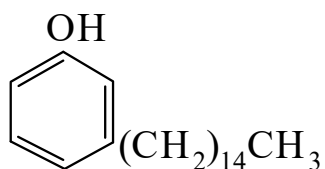




>>Entry Name: 3-Pentadecylphenol

Synonym(s): 1-Hydroxy-3-pentadecylbenzene. Cyclogallipharol. Hydroginkgol. Hydrocardanol. Anacardol. Cardanol C_{15:0}



CAS Registry Number: 501-24-6

Molecular Formula: C₂₁H₃₆O

Molecular Weight: 304.515

Accurate Mass: 304.276615

Percentage Composition: C 82.83%; H 11.92%; O 5.25%

Biological Source: Minor constit. of lipids of *Anacardium occidentale* (cashew nut)

Physical Description: Cryst. (petrol)

Melting Point: Mp 54.5°

Boiling Point: Bp_{1.5} 197°

Aldrich: P440-2

Sigma: P9031

>>Derivative: Ac

CAS Registry Number: 52122-74-4

Molecular Formula: C₂₃H₃₈O₂

Molecular Weight: 346.552

Accurate Mass: 346.28718

Percentage Composition: C 79.71%; H 11.05%; O 9.23%

Melting Point: Mp 42°

>>Derivative: Benzoyl

Molecular Formula: C₂₈H₄₀O₂

Molecular Weight: 408.623

Accurate Mass: 408.30283

Percentage Composition: C 82.30%; H 9.87%; O 7.83%

Melting Point: Mp 54°

>>Derivative: Me ether

Synonym(s): 1-Methoxy-3-pentadecylbenzene

Molecular Formula: C₂₂H₃₈O

Molecular Weight: 318.542

Accurate Mass: 318.292265

Percentage Composition: C 82.95%; H 12.02%; O 5.02%

Melting Point: Mp 29-30°

Boiling Point: Bp₁₅ 240-244°. Bp_{1.5} 175-177°

>>Derivative: 8',9'-Didehydro(Z-)

Synonym(s): 3-(8-Pentadecenyl)phenol. Cardanol_{15:1}. Anacardol. Ginkgol. Cardanolmonoene

CAS Registry Number: 501-26-8

Biological Source: Major constit. of lipids of *Anacardium occidentale* (cashew nut). Isol. from fruit of *Ginkgo biloba*

Biological Use/Importance: Shows antineoplastic props.

Physical Description: Oil

Boiling Point: Bp₄ 221-223°

Calculated Log P Data: Log P 8.9 uncertain value (calc)