



>>Entry Name: 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Hexadecafluoro-1-nonanol, 9Cl, 8Cl

CAS Registry Number: 376-18-1

$\text{F}_2\text{CH}(\text{CF}_2)_7\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_9\text{H}_4\text{F}_{16}\text{O}$

Molecular Weight: 432.104

Accurate Mass: 432.000663

Percentage Composition: C 25.02%; H 0.93%; F 70.35%; O 3.70%

Melting Point: Mp 69° (60-65°)

Boiling Point: Bp₂₀₀ 156°

>>Derivative: Ac

Molecular Formula: $\text{C}_{11}\text{H}_6\text{F}_{16}\text{O}_2$

Molecular Weight: 474.142

Accurate Mass: 474.011228

Percentage Composition: C 27.87%; H 1.28%; F 64.11%; O 6.75%

Physical Description: Liq.

Boiling Point: Bp₂₀ 110°

>>Derivative: 4-Methylbenzenesulfonyl

Molecular Formula: $\text{C}_{16}\text{H}_{10}\text{F}_{16}\text{O}_3\text{S}$

Molecular Weight: 586.294

Accurate Mass: 586.009513

Percentage Composition: C 32.78%; H 1.72%; F 51.85%; O 8.19%; S 5.47%

Melting Point: Mp 44.5°

Boiling Point: Bp_{2.3} 171.5°

References:

Baer, D.R., *Ind. Eng. Chem.*, 1959, **51**, 829, (*synth*)

Cohen, W.V., *J.O.C.*, 1961, **26**, 4021, (*derivs*)

Brace, N.O. *et al.*, *J.O.C.*, 1961, **26**, 5091, (*tosyl*)