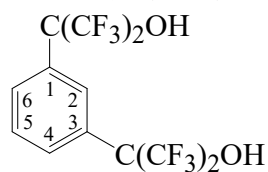




>>Entry Name: $\alpha,\alpha,\alpha',\alpha'$ -Tetrakis(trifluoromethyl)-1,3-benzenedimethanol, 9Cl

Synonym(s): $\alpha,\alpha,\alpha',\alpha'$ -Tetrakis(trifluoromethyl)-*m*-xylene- α,α' -diol, 8Cl. 1,3-Bis(2-hydroxyhexafluoroisopropyl)benzene



CAS Registry Number: 802-93-7

Extra CAS Registry Numbers(s): 54736-43-5

Molecular Formula: $C_{12}H_6F_{12}O_2$

Molecular Weight: 410.159

Accurate Mass: 410.017616

Percentage Composition: C 35.14%; H 1.47%; F 55.58%; O 7.80%

Physical Description: Liq.

Boiling Point: Bp 209°. Bp₂₄ 107-108°

Refractive Index: n_D²⁰ 1.3870

Aldrich: 36815-6

>>Derivative: DMSO complex (1:1)

CAS Registry Number: 89780-05-2

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 87°

>>Derivative: Di-Ac

CAS Registry Number: 125757-14-4

Molecular Formula: $C_{16}H_{10}F_{12}O_4$

Molecular Weight: 494.233

Accurate Mass: 494.038746

Percentage Composition: C 38.88%; H 2.04%; F 46.13%; O 12.95%

Melting Point: Mp 80-82°

References:

Farah, B.S. *et al.*, *J.O.C.*, 1965, **30**, 998, (*synth, pmr*)

Sepiol, J. *et al.*, *J. Fluorine Chem.*, 1984, **24**, 61, (*synth, ir, pmr, F-19 nmr*)

Soulen, R.J. *et al.*, *J. Fluorine Chem.*, 1989, **44**, 195, (*synth, pmr, Ac*)