



>>Entry Name: 5-Fluoro-1,3-benzenediol, 9Cl

Synonym(s): 5-Fluororesorcinol, 8Cl

CAS Registry Number: 75996-29-1

Structure by analogy with 2-Fluoro-1,3-benzenediol, [GNO95-W](#)

Molecular Formula: C₆H₅FO₂

Molecular Weight: 128.103

Accurate Mass: 128.027358

Percentage Composition: C 56.26%; H 3.93%; F 14.83%; O 24.98%

Physical Description: Cryst. (C₆H₆) or by subl.

Melting Point: Mp 134-135.5°. Mp 130-131°

Other Data: Hygroscopic

>>Derivative: Di-Me ether

Synonym(s): 1-Fluoro-3,5-dimethoxybenzene

CAS Registry Number: 52189-63-6

Molecular Formula: C₈H₉FO₂

Molecular Weight: 156.156

Accurate Mass: 156.058658

Percentage Composition: C 61.53%; H 5.81%; F 12.17%; O 20.49%

Physical Description: Liq.

Boiling Point: Bp₆ 88°

Aldrich: 32234-2

Sigma: F7014

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 201B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 981B, (*ir*)

Durrani, A.A. *et al.*, *J.C.S. Perkin I*, 1980, 1658, (*synth, pmr*)

Sun, W.-C. *et al.*, *J.O.C.*, 1997, **62**, 6469-6475, (*synth, pmr, F-19 nmr*)

Brooks, P.R. *et al.*, *J.O.C.*, 1999, **64**, 9719-9721, (*synth, pmr*)