



>>Entry Name: 3-Fluoro-1,2-benzenediol, 9Cl

Synonym(s): 3-Fluoropyrocatechol, 8Cl. 3-Fluorocatechol

CAS Registry Number: 363-52-0

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. (Et₂O/petrol)

Melting Point: Mp 71-71.5°

Aldrich: 34465-6

>>Derivative: 1-Me ether

Synonym(s): 2-Fluoro-6-methoxyphenol

CAS Registry Number: 73943-41-6

Molecular Formula: C₇H₇FO₂

Molecular Weight: 142.129

Accurate Mass: 142.043008

Percentage Composition: C 59.16%; H 4.96%; F 13.37%; O 22.51%

Physical Description: Pale-yellow liq.

Boiling Point: Bp₃₆ 129.5-131°

Aldrich: 33857-5

>>Derivative: Di-Me ether

Synonym(s): 1-Fluoro-2,3-dimethoxybenzene. 3-Fluoroveratrole

CAS Registry Number: 394-64-9

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: Bp₂₀ 96-97°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 261B; 295B, (*nmr*)

Corse, J. *et al.*, *J.O.C.*, 1951, **16**, 1345, (*synth*)

Ladd, D.L. *et al.*, *J.O.C.*, 1981, **46**, 203, (*synth, pmr, ms*)

Peet, N.P. *et al.*, *Synth. Commun.*, 1986, **16**, 1551, (*synth, deriv*)

Kawase, M. *et al.*, *J. Med. Chem.*, 1990, **33**, 2204, (*Me ether, synth*)