>>**Entry Name: 4-Fluorophenol,** 9Cl

CAS Registry Number: 371-41-5
Structure by analogy with 2-Fluorophenol, DTN89-B

Molecular Formula: C_6H_5FO
Molecular Weight: 112.103
Accurate Mass: 112.032443
Percentage Composition: C 64.29%; H 4.50%; F 16.95%; O 14.27%
Melting Point: Mp 48°
Boiling Point: Bp 189°. Bp_{13} 81.5°
pKa Value: pK_a 9.91 (25°)
Hazard & Toxicity: Fl. p. 68°. LD_{50} (mus, ipr) 312 mg/kg. Exp. carcinogenic and reprod. effects

Aldrich: F1320-7
Fluka: 47280
Sigma: F4001

>>**Derivative:** Ac

CAS Registry Number: 405-51-6
Molecular Formula: $C_8H_7FO_2$
Molecular Weight: 154.14
Accurate Mass: 154.043008
Percentage Composition: C 62.34%; H 4.58%; F 12.33%; O 20.76%
Boiling Point: Bp_{16} 85-87°. $Bp_{4.5}$ 54-55° (lit. gives a pressure range)
Aldrich: 46923-8

>>**Derivative:** Me ether
Synonym(s): 1-Fluoro-4-methoxybenzene. *p*-Fluoroanisole

CAS Registry Number: 459-60-9
Molecular Formula: C_7H_7FO
Molecular Weight: 126.13
Accurate Mass: 126.048093
Percentage Composition: C 66.66%; H 5.59%; F 15.06%; O 12.68%
Melting Point: Mp –45°
Boiling Point: Bp 157°. Bp_{21} 60°
Aldrich: F460-2
Sigma: F8500

>>**Derivative:** Et ether
Synonym(s): 1-Ethoxy-4-fluorobenzene. *p*-Fluorophenetole

CAS Registry Number: 459-26-7
Molecular Formula: C_8H_9FO
Molecular Weight: 140.157
Accurate Mass: 140.063743
Percentage Composition: C 68.56%; H 6.47%; F 13.56%; O 11.42%
Melting Point: Mp –8.5°
Boiling Point: Bp 173°. Bp_{18} 71°
Rare Chemicals Library: S36209-3

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