>>**Entry Name: 4-Fluorophenylacetic acid**
Synonym(s): 4-Fluorobenzeneacetic acid. *p*-Fluoro-α-toluic acid

CAS Registry Number: 405-50-5
Structure by analogy with 2-Fluorophenylacetic acid, FGJ09-S

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%
Physical Description: Leaves (H_2O)
Melting Point: Mp 86°
Boiling Point: Bp_2 164°
pKa Value: pK_a 4.25 (25°, H_2O)

Aldrich: F1330-4
Fluka: 47350
Sigma: F4501

>>**Derivative:** Me ester

CAS Registry Number: 34837-84-8
Molecular Formula: $C_9H_9FO_2$
Molecular Weight: 168.167
Accurate Mass: 168.058658
Percentage Composition: C 64.28%; H 5.39%; F 11.30%; O 19.03%
Melting Point: Mp 84-85°

>>**Derivative:** Et ester

CAS Registry Number: 587-88-2
Molecular Formula: $C_{10}H_{11}FO_2$
Molecular Weight: 182.194
Accurate Mass: 182.074308
Percentage Composition: C 65.92%; H 6.09%; F 10.43%; O 17.56%
Physical Description: Cryst. (petrol)
Melting Point: Mp 34°
Boiling Point: Bp_{31} 128-130°

>>**Derivative:** Chloride

CAS Registry Number: 459-04-1
Molecular Formula: C_8H_6ClFO
Molecular Weight: 172.586
Accurate Mass: 172.00912
Percentage Composition: C 55.68%; H 3.50%; Cl 20.54%; F 11.01%; O 9.27%
Boiling Point: Bp 202-204°. Bp_{12} 102-104°
Aldrich: 46695-6

>>**Derivative:** Amide

Molecular Formula: C_8H_8FNO
Molecular Weight: 153.156
Accurate Mass: 153.058992
Percentage Composition: C 62.74%; H 5.26%; F 12.40%; N 9.15%; O 10.45%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 163-164°