>>**Entry Name: 3-Fluorophenylalanine,** 9CI
Synonym(s): 2-Amino-3-(3-fluorophenyl)propanoic acid

CAS Registry Number: 456-88-2
Structure by analogy with 2-Fluorophenylalanine, CJB83-K

Molecular Formula: $C_9H_{10}FNO_2$
Molecular Weight: 183.182
Accurate Mass: 183.069557
Percentage Composition: C 59.01%; H 5.50%; F 10.37%; N 7.65%; O 17.47%
Hazard & Toxicity: LD_{50} (mus, ipr) 5.9 mg/kg

>>**Variant:** (*R*)-form
Synonym(s): D-form

Molecular Formula: $C_9H_{10}FNO_2$
Molecular Weight: 183.182
Accurate Mass: 183.069557
Percentage Composition: C 59.01%; H 5.50%; F 10.37%; N 7.65%; O 17.47%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 230-234°
Optical Rotation: $[\alpha]_D^{25}$+22 (c, 2 in H_2O)

>>**Derivative:** *N*-Benzyloxycarbonyl

Melting Point: Mp 126-127°
Optical Rotation: $[\alpha]_D^{18}$+7.35 (c, 1 in MeOH)

>>**Variant:** (*S*)-form
Synonym(s): L-form

CAS Registry Number: 19883-77-3
Molecular Formula: $C_9H_{10}FNO_2$
Molecular Weight: 183.182
Accurate Mass: 183.069557
Percentage Composition: C 59.01%; H 5.50%; F 10.37%; N 7.65%; O 17.47%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 239-243° (235-239°)
Optical Rotation: $[\alpha]_D^{18}$–25.2 (c, 1 in H_2O)
Fluka: 47306

>>**Derivative:** *N*-Benzyloxycarbonyl

Physical Description: Cryst. (diisopropyl ether)
Melting Point: Mp 124°
Optical Rotation: $[\alpha]_D^{20}$–6.2 (c, 1 in MeOH)

>>**Variant:** (±)-form
CAS Registry Number: 2629-54-1
Molecular Formula: $C_9H_{10}FNO_2$
Molecular Weight: 183.182
Accurate Mass: 183.069557
Percentage Composition: C 59.01%; H 5.50%; F 10.37%; N 7.65%; O 17.47%
Melting Point: Mp 240-250°. Mp 262-263°
Aldrich: 21943-6
Fluka: 47310
Sigma: F5126

>>**Derivative:** Hydrochloride

Melting Point: Mp 248-251 dec.°