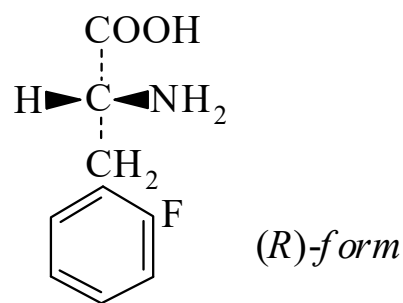




>>Entry Name: 2-Fluorophenylalanine, 9CI

Synonym(s): 2-Amino-3-(2-fluorophenyl)propanoic acid



Molecular Formula: C₉H₁₀FNO₂

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%

>>Variant: (R)-form

Synonym(s): D-form

Molecular Formula: C₉H₁₀FNO₂

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%

>>Derivative: Hydrochloride

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 224-228°

Optical Rotation: $[\alpha]_D^{25} +15$ (c, 2 in H₂O)

>>Derivative: N-Benzyloxycarbonyl

Physical Description: Cryst. (toluene)

Melting Point: Mp 103-105°

Optical Rotation: $[\alpha]_D^{25} +15.7$ (c, 5.0 in Me₂CO)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 19883-78-4

Molecular Formula: C₉H₁₀FNO₂

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%

Fluka: 47296

>>Derivative: Hydrochloride

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 252-255° (226-231°)

Optical Rotation: $[\alpha]_D^{25} -26.9$ (c, 0.3 in H₂O)

>>Derivative: N-Benzyloxycarbonyl, hydrazide

Melting Point: Mp 171-172°

Optical Rotation: $[\alpha]_D^{25} -31$ (c, 3 in Me₂CO)