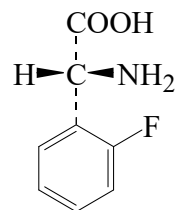




>>Entry Name: 2-Amino-2-(2-fluorophenyl)acetic acid

Synonym(s): 2-Fluorophenylglycine



(*R*)-form

CAS Registry Number: 2343-27-3

Molecular Formula: C₈H₈FNO₂

Molecular Weight: 169.155

Accurate Mass: 169.053907

Percentage Composition: C 56.80%; H 4.77%; F 11.23%; N 8.28%; O 18.92%

Aldrich: 20950-3

>>Variant: (*R*)-form

CAS Registry Number: 138751-03-8

Molecular Formula: C₈H₈FNO₂

Molecular Weight: 169.155

Accurate Mass: 169.053907

Percentage Composition: C 56.80%; H 4.77%; F 11.23%; N 8.28%; O 18.92%

Optical Rotation: $[\alpha]_{\text{D}}^{25} -108.9$ (c, 0.7 in 6*M* HCl)

Other Data: Mp >300°

>>Derivative: *N*-Ac

CAS Registry Number: 153381-39-6

Molecular Formula: C₁₀H₁₀FNO₃

Molecular Weight: 211.192

Accurate Mass: 211.064472

Percentage Composition: C 56.87%; H 4.77%; F 9.00%; N 6.63%; O 22.73%

Physical Description: Cryst. (toluene)

Melting Point: Mp 176-177°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -162$ (c, 0.6 in Me₂CO)

>>Derivative: *N*-(Phenylacetyl)

CAS Registry Number: 153381-38-5

Molecular Formula: C₁₆H₁₄FNO₃

Molecular Weight: 287.29

Accurate Mass: 287.095772

Percentage Composition: C 66.89%; H 4.91%; F 6.61%; N 4.88%; O 16.71%

Physical Description: Cryst. (toluene)

Melting Point: Mp 132-134°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -120.3$ (c, 0.9 in Me₂CO)

>>Variant: (*S*)-form

CAS Registry Number: 138751-04-9

Molecular Formula: C₈H₈FNO₂

Molecular Weight: 169.155

Accurate Mass: 169.053907

Percentage Composition: C 56.80%; H 4.77%; F 11.23%; N 8.28%; O 18.92%

Optical Rotation: $[\alpha]_{\text{D}}^{20} +108.9$ (c, 0.8 in 6*M* HCl)

Other Data: Mp >300°