



>>Entry Name: *N*-Alanylglutamic acid, 9CI



Molecular Formula: $\text{C}_8\text{H}_{14}\text{N}_2\text{O}_5$

Molecular Weight: 218.209

Accurate Mass: 218.090273

Percentage Composition: C 44.03%; H 6.47%; N 12.84%; O 36.66%

>>Variant: D-L-form

Molecular Formula: $\text{C}_8\text{H}_{14}\text{N}_2\text{O}_5$

Molecular Weight: 218.209

Accurate Mass: 218.090273

Percentage Composition: C 44.03%; H 6.47%; N 12.84%; O 36.66%

Optical Rotation: $[\alpha]_{\text{D}}^{23} -32.9$ (c, 1-2 in 0.5M HCl)

>>Variant: L-D-form

CAS Registry Number: 16809-27-1

Molecular Formula: $\text{C}_8\text{H}_{14}\text{N}_2\text{O}_5$

Molecular Weight: 218.209

Accurate Mass: 218.090273

Percentage Composition: C 44.03%; H 6.47%; N 12.84%; O 36.66%

Optical Rotation: $[\alpha]_{\text{D}}^{23} +32.4$ (c, 1-2 in 0.5M HCl)

>>Variant: L-L-form

CAS Registry Number: 13187-90-1

Molecular Formula: $\text{C}_8\text{H}_{14}\text{N}_2\text{O}_5$

Molecular Weight: 218.209

Accurate Mass: 218.090273

Percentage Composition: C 44.03%; H 6.47%; N 12.84%; O 36.66%

Melting Point: Mp 92-98°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -40$ (c, 0.5 in MeOH)

Sigma: A0378

>>Derivative: Boc-Ala-Glu-(OBu^t)₂

Melting Point: Mp 87-89°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -27$ (c, 1.2 in MeOH)