



>>Entry Name: Alanylalanine

Extra CAS Registry Numbers(s): 2867-20-1 59247-16-4



Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_3$

Molecular Weight: 160.172

Accurate Mass: 160.084793

Percentage Composition: C 44.99%; H 7.55%; N 17.49%; O 29.97%

>>Variant: D-D-form

CAS Registry Number: 923-16-0

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_3$

Molecular Weight: 160.172

Accurate Mass: 160.084793

Percentage Composition: C 44.99%; H 7.55%; N 17.49%; O 29.97%

Optical Rotation: $[\alpha]_{\text{D}}^{25} +21.3$ (c, 2 in H_2O). $[\alpha]_{\text{D}}^{24} +37.9$ (c, 2 in 0.5M HCl)

Sigma: A0912

>>Variant: D-L-form

CAS Registry Number: 1115-78-2

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_3$

Molecular Weight: 160.172

Accurate Mass: 160.084793

Percentage Composition: C 44.99%; H 7.55%; N 17.49%; O 29.97%

Melting Point: Mp 269-270 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -68.5$

>>Variant: L-D-form

CAS Registry Number: 3695-80-5

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_3$

Molecular Weight: 160.172

Accurate Mass: 160.084793

Percentage Composition: C 44.99%; H 7.55%; N 17.49%; O 29.97%

Melting Point: Mp 275-276°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +67.2$ (c, 2 in 6M HCl)