



>>Entry Name: *N*-Glycylthreonine

Extra CAS Registry Numbers(s): 27174-15-8

$\text{H}_2\text{NCH}_2\text{CONHCH}(\text{COOH})\text{CH}(\text{OH})\text{CH}_3$

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4$

Molecular Weight: 176.172

Accurate Mass: 176.079708

Percentage Composition: C 40.91%; H 6.87%; N 15.90%; O 36.33%

>>Variant: D-form

Extra CAS Registry Numbers(s): 74807-44-6

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4$

Molecular Weight: 176.172

Accurate Mass: 176.079708

Percentage Composition: C 40.91%; H 6.87%; N 15.90%; O 36.33%

Optical Rotation: $[\alpha]_{\text{D}}^{25} +16$ (c, 2 in H_2O)

>>Variant: L-form

CAS Registry Number: 7093-70-1

Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4$

Molecular Weight: 176.172

Accurate Mass: 176.079708

Percentage Composition: C 40.91%; H 6.87%; N 15.90%; O 36.33%

Optical Rotation: $[\alpha]_{\text{D}}^{25} -16.2$ (c, 2 in H_2O)

Sigma: G1129

References:

Rao, K.R. *et al.*, *J. Biol. Chem.*, 1952, **198**, 507, (*synth*)

Swaminathan, P., *Acta Cryst.*, 1975, **31**, 1608, (*cryst struct*)

Swaminathan, P., *Int. J. Pept. Protein Res.*, 1976, **8**, 265, (*struct, conformn*)

Ho, P. *et al.*, *J. Cryst. Mol. Struct.*, 1980, **9**, 181, (*cryst struct*)