



>>Entry Name: *N*-Glycylmethionine, 9CI

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

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_3\text{S}$

Molecular Weight: 206.265

Accurate Mass: 206.072513

Percentage Composition: C 40.76%; H 6.84%; N 13.58%; O 23.27%; S 15.55%

>>Variant: D-form

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_3\text{S}$

Molecular Weight: 206.265

Accurate Mass: 206.072513

Percentage Composition: C 40.76%; H 6.84%; N 13.58%; O 23.27%; S 15.55%

Optical Rotation: $[\alpha]_{\text{D}}^{26} +10.2$ (c, 2 in H_2O)

>>Derivative: Benzyloxycarbonyl

Molecular Formula: $\text{C}_{15}\text{H}_{20}\text{N}_2\text{O}_5\text{S}$

Molecular Weight: 340.399

Accurate Mass: 340.109293

Percentage Composition: C 52.93%; H 5.92%; N 8.23%; O 23.50%; S 9.42%

Melting Point: Mp 110-112°

Optical Rotation: $[\alpha]_{\text{D}}^{23} +3.9$ (c, 1 in DMF)

>>Variant: L-form

CAS Registry Number: 554-94-9

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_2\text{O}_3\text{S}$

Molecular Weight: 206.265

Accurate Mass: 206.072513

Percentage Composition: C 40.76%; H 6.84%; N 13.58%; O 23.27%; S 15.55%

Optical Rotation: $[\alpha]_{\text{D}}^{25} -10.2$ (c, 2 in H_2O)

Sigma: G2252

>>Derivative: Benzyloxycarbonyl

Melting Point: Mp 184-186 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -10.3$ (c, 2.82 in H_2O)

References:

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

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Weygand, F., *Chem. Ber.*, 1960, **93**, 2983

Nicolaides, E. *et al.*, *J. Med. Chem.*, 1968, **11**, 74