
Product Data Sheet

Product Name: H-Gly-Pro-Gly-Gly-OH

Cat. No.: GA22506

Chemical Properties

Cas. No. 13054-03-0

Formula $C_{11}H_{18}N_4O_5$ M.Wt 286.29

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

H-Gly-Pro-Gly-Gly-OH is a characteristic tetrapeptide composed of a glycine-proline-glycine-glycine sequence^[1]. H-Gly-Pro-Gly-Gly-OH can be used as an important molecular building block in research for the synthesis of more complex polypeptides. H-Gly-Pro-Gly-Gly-OH also provides a concise model sequence for investigating protein-protein interactions, particularly those involved in cell adhesion and signal transduction^[2].

References:

[1] Harrison A G, Young A B. Fragmentation reactions of deprotonated peptides containing proline. The proline effect[J]. Journal of mass spectrometry, 2005, 40(9): 1173-1186.

[2] Richard T, Vergé S, Berké B, et al. NMR and simulated annealing investigations of bradykinin in presence of polyphenols[J]. Journal of Biomolecular Structure and Dynamics, 2001, 18(4): 627-637.

Caution: Product has not been fully validated for medical applications. For research use only.

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