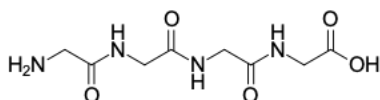

Tetraglycine hydrochloride

<http://www.lumiprobe.com/p/gly4-hydrochloride>

Tetraglycine, or Gly-Gly-Gly-Gly, is an oligopeptide composed of four glycine monomers. It is used as a bifunctional linker with amino and carboxyl groups .

The terminal amino group can react with activated esters, carbonyl compounds, and carboxylic acids, e.g., in reductive amination reactions.

The terminal carboxyl group can react with primary amino groups in the presence of activators (carbodiimides or HATU), resulting in a stable amide bond.



ClH

Structure of Tetraglycine hydrochloride

General properties

Appearance: white crystals

Molecular weight: 282.68

CAS number: 38126-71-5, 637-84-3

Molecular formula: C₈H₁₄N₄O₅ •HCl

Solubility: DMSO, acetonitrile, methanol

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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