

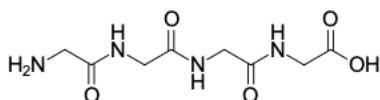
Tetraglycine hydrochloride

<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: C₈H₁₅ClN₄O₅
- 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.
- Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.