

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157 USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354

Email: order@lumiprobe.com

Tetraglycine hydrochloride

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

Tetraglycine, or 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.

$$H_2N \bigvee_{O} \overset{H}{\underset{O}{\bigvee}} \overset{O}{\underset{N}{\bigvee}} \underset{O}{\underset{N}{\bigvee}} O H$$

CIH

Structure of Tetraglycine hydrochloride

General properties

Appearance: white crystals

Molecular weight: 282.68

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

 $Molecular\ formula:\ C_8H_{15}CIN_4O_5$

Solubility: DMSO, acetonitrile, methanol Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival 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.