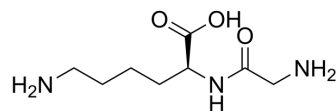


## Glycyllysine

Cat. No.:	HY-113736
CAS No.:	997-62-6
Molecular Formula:	C <sub>8</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	203.24
Sequence:	H-Gly-Lys-OH
Sequence Shortening:	GK
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Glycyllysine is a polypeptide that can be used in the synthesis of antibodies and amino acid type gemini surfactants. Glycyllysine has potential applications in modifying plasmid/gemini/lipid (P/G/L) nanoparticles transport carriers<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Uehara T, et al. Design, synthesis, and evaluation of [188Re]organorhenium-labeled antibody fragments with renal enzyme-cleavable linkage for low renal radioactivity levels. *Bioconjug Chem.* 2007 Jan-Feb;18(1):190-8.
- [2]. Singh J, et al. Amino acid-substituted gemini surfactant-based nanoparticles as safe and versatile gene delivery agents. *Curr Drug Deliv.* 2011 May;8(3):299-306.
- [3]. Al-Dulaymi MA, et al. Di-Peptide-Modified Gemini Surfactants as Gene Delivery Vectors: Exploring the Role of the Alkyl Tail in Their Physicochemical Behavior and Biological Activity. *AAPS J.* 2016 Sep;18(5):1168-1181.

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

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