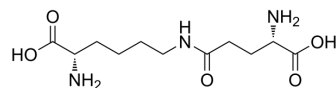


Epsilon-(gamma-glutamyl)-lysine

| | |
|--------------------|---|
| Cat. No.: | HY-113089 |
| CAS No.: | 17105-15-6 |
| Molecular Formula: | C ₁₁ H ₂₁ N ₃ O ₅ |
| Molecular Weight: | 275.3 |
| Target: | Endogenous Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | Epsilon-(gamma-glutamyl)-lysine is an N(6)-acyl-L-lysine derivative. The enzyme tissue transglutaminase (tTg) helps the formation of epsilon-(gamma-glutamyl)lysine bonds between ECM components in some disease, such as non-diabetic kidney, glaucoma filtration ^[1] . |
| IC ₅₀ & Target | Human Endogenous Metabolite |

REFERENCES

- [1]. Siegfried G Priglinger, et al. Potential Role of Tissue Transglutaminase in Glaucoma Filtering Surgery. Invest Ophthalmol Vis Sci. 2006 Sep;47(9):3835-45.
- [2]. A M El Nahas, et al. Elevated Epsilon-(Gamma-Glutamyl)lysine in Human Diabetic Nephropathy Results From Increased Expression and Cellular Release of Tissue Transglutaminase. Nephron Clin Pract. 2004;97(3):c108-17.

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

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