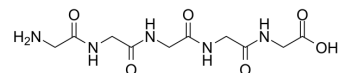


Pentaglycine

Cat. No.:	HY-W141916
CAS No.:	7093-67-6
Molecular Formula:	C ₁₀ H ₁₇ N ₅ O ₆
Molecular Weight:	303.27
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (16.49 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2974 mL	16.4870 mL	32.9739 mL
5 mM	0.6595 mL	3.2974 mL	6.5948 mL
10 mM	0.3297 mL	1.6487 mL	3.2974 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Pentaglycine (Tetraglycylglycine) is a bridge containing five glycine molecules. Pentaglycine can form highly cross-linked peptidoglycan. Glucose reduced expression of pentaglycine. Pentaglycine is cleaved by lysostaphin, and occurs in the cell envelope of staphylococci^[1].

REFERENCES

[1]. Luo Z, et al. Reduced Growth of Staphylococcus aureus Under High Glucose Conditions Is Associated With Decreased Pentaglycine Expression. Front Microbiol. 2020 Nov 2;11:537290.

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

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