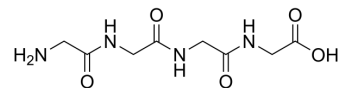


Tetraglycine

Cat. No.:	HY-W142467
CAS No.:	637-84-3
Molecular Formula:	C ₈ H ₁₄ N ₄ O ₅
Molecular Weight:	246.22
Sequence Shortening:	GGGG
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	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, under nitrogen)

BIOLOGICAL ACTIVITY

Description	Tetraglycine is a oligopeptide composed of four glycine monomers ^[1] .								
In Vivo	<p>Tetraglycine and Triglycine (1.0 μmol glycine/g body wt (246.22 mg/kg), injected into a central vein) results in greater glycine concentration in the kidney than injection of either Glycine (HY-Y0966) or Diglycine^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Sprague-Dawley rats (270-300 g)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1.0 μmol glycine/g body wt (246.22 mg/kg)</td> </tr> <tr> <td>Administration:</td> <td>IV, injected over a period of 30 s</td> </tr> <tr> <td>Result:</td> <td>Five minutes after the Tetraglycine injection, there were accumulations of diglycine, triglycine, and Tetraglycine in the kidney.</td> </tr> </table>	Animal Model:	Male Sprague-Dawley rats (270-300 g) ^[1]	Dosage:	1.0 μmol glycine/g body wt (246.22 mg/kg)	Administration:	IV, injected over a period of 30 s	Result:	Five minutes after the Tetraglycine injection, there were accumulations of diglycine, triglycine, and Tetraglycine in the kidney.
Animal Model:	Male Sprague-Dawley rats (270-300 g) ^[1]								
Dosage:	1.0 μmol glycine/g body wt (246.22 mg/kg)								
Administration:	IV, injected over a period of 30 s								
Result:	Five minutes after the Tetraglycine injection, there were accumulations of diglycine, triglycine, and Tetraglycine in the kidney.								

REFERENCES

[1]. Adibi SA, et al. Enrichment of glycine pool in plasma and tissues by glycine, di-, tri-, and tetraglycine. Am J Physiol. 1982 Nov;243(5):E413-7.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA