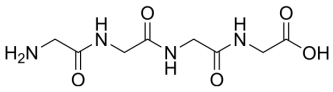
Tetraglycine

Cat. No.:	HY-W142467
CAS No.:	637-84-3
Molecular Formula:	$C_8H_{14}N_4O_5$
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	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.

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 diglvcine, triglvcine, 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.

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