



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

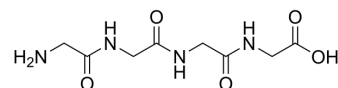
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Tetraglycine

Cat. No.:	HY-W142467
CAS No.:	637-84-3
Molecular Formula:	C <sub>8</sub> H <sub>14</sub> N <sub>4</sub> O <sub>5</sub>
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 <sup>[1]</sup> .								
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 <a href="#">Glycine</a> (HY-Y0966) or Diglycine<sup>[1]</sup>. 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)<sup>[1]</sup></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) <sup>[1]</sup>	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) <sup>[1]</sup>								
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