



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

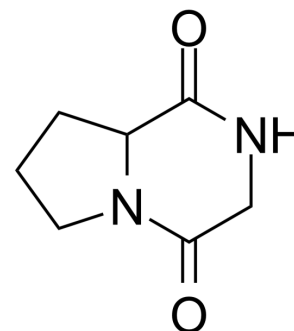
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cyclo-(Pro-Gly)

Cat. No.:	HY-W062171		
CAS No.:	19179-12-5		
Molecular Formula:	C ₇ H ₁₀ N ₂ O ₂		
Molecular Weight:	154.17		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (648.63 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.4863 mL	32.4317 mL	64.8635 mL
	5 mM	1.2973 mL	6.4863 mL	12.9727 mL
	10 mM	0.6486 mL	3.2432 mL	6.4863 mL

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

BIOLOGICAL ACTIVITY

Description

Cyclo-(Pro-Gly) (Pyrroloperazine-2,5-dione), an alkaloid isolated from green algae *Ulva prolifera*, possesses antialgal activity against the common harmful red tide microalgae^[1]. Cyclo-(Pro-Gly) (Pyrroloperazine-2,5-dione) possesses anti-amnesic effects and neuroprotective actions^[2].

In Vivo

Cyclo-(Pro-Gly) (0.1 and 10 mg/kg, ip) seems to be a memory facilitating substance and its presence in rat brain suggests the existence of a new mechanism of memory regulation^[3].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ying-ying Sun, et al. Isolation, Purification, and Identification of Antialgal Substances in Green Alga *Ulva Prolifera* for Antialgal Activity Against the Common Harmful Red Tide Microalgae. *Environ Sci Pollut Res Int.* 2016 Jan;23(2):1449-59.

[2]. Fumitaka Hayasaka, et al. Production Method for Cyclic Dipeptide Derived from Native Collagen. *Food Science and Technology Research*, 22 (4), 477-483, 2016.

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