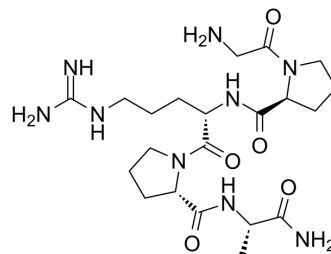


Pentapeptide-3

Cat. No.:	HY-P0099
CAS No.:	135679-88-8
Molecular Formula:	C ₂₁ H ₃₇ N ₉ O ₅
Molecular Weight:	495.58
Sequence:	Gly-Pro-Arg-Pro-Ala-NH ₂
Sequence Shortening:	GPRPA-NH ₂
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pentapeptide-3 is a pentapeptide fragment of neurotoxin waglerin-1, it can be extracted from the venom of Temple Viper. Pentapeptide-3 is a competitive antagonist of nicotinic acetylcholine receptors (nAChRs), it can blocks nerves at the post-synaptic membrane. Pentapeptide-3 has anti-aging effects and it can be used together with other cosmetic peptides^{[1][2]}.

REFERENCES

- [1]. Schagen, S.K. Topical peptide treatments with effective anti-aging results. *Cosmetics* 4(2), 2017.
- [2]. Zhmak MN, et al. Peptide inhibitors of nicotinic acetylcholine receptor. WO2014/112902A1, 2017.

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