

Waglerin-1

Cat. No.:	HY-P5188A
CAS No.:	145038-84-2
Molecular Formula:	C ₁₁₂ H ₁₇₅ N ₃₇ O ₂₆ S ₂
Molecular Weight:	2519.95
Sequence:	Gly-Gly-Lys-Pro-Asp-Leu-Arg-Pro-Cys-His-Pro-Pro-Cys-His-Tyr-Ile-Pro-Arg-Pro-Lys-Pro-Arg (Disulfide bridge: Cys9-Cys13)
Sequence Shortening:	GGKPDLRPCHPPCHYIPRPKPR (Disulfide bridge: Cys9-Cys13)
Target:	nAChR; GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Waglerin-1, a 22-amino acid peptide, is a competitive antagonist of the muscle nicotinic receptor (nAChR) ^[1] .
IC ₅₀ & Target	nAChR ^[1]

REFERENCES

[1]. Brian E Molles, et al. Identification of Residues at the α and ϵ Subunit Interfaces Mediating Species Selectivity of Waglerin-1 for Nicotinic Acetylcholine Receptors. J Biol Chem. 2002 Feb 15;277(7):5433-40.

[2]. J H Ye, et al. Waglerin-1 inhibits GABAA current of neurons in the nucleus accumbens of neonatal rats. Brain Res. 1999 Aug 7;837(1-2):29-37.

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