Creative Enzymes®

Waglerin-1

Cat. No. CEI-1180

Lot. No. (See product label)

Introduction

Description	Waglerin-1 is a 22 amino acid peptide toxin isolated from the Southeast Asian snake Trimeresurus wagleri. Two other similar peptides named Waglerin-2 and 3 are isolated from the same snake species. Waglerin-1 selectively blocks the nAChRε subunit with an IC50 of 50 nM and is a potent blocker of muscle nAChR. Waglerin-1 is also a modulator of GABA(A) receptors with potentiating and suppressing effects. Its IC50 and EC50 value is 24 μM.
Synonyms	Waglerin-I, Wtx-1, Lethal peptide I

Product Information

Source	Synthetic peptide
Molecular Formula	C112H175N37O26S2
Molecular Weight	2520 Da
Purity	>99%
Targets	nAChR, GABA(A) receptors
Amino Acid Sequence	GGKPDLRPCHPPCHYIPRPKPR

Storage and Shipping Information

Storage	Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.