

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 nAChR 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.