

NISIN Powder

Cat. No. EXTZ-694

Lot. No. (See product label)

Introduction

Description

Nisin is a polypeptide antimicrobial substance extracted from the fermentation products of *Lactococcus lactis*, a subspecies of *Lactococcus lactis*. It is approved as a food preservative in many countries around the world. Nisin can inhibit most Gram-positive bacteria, especially spore-forming Gram-positive bacteria such as *Bacillus subtilis*, *Bacillus stearothermophilus*, and *Clostridium* species, making it particularly suitable for heat-treated foods, such as various meat sausages, canned fungi, and pasteurized soups.

Product Information

Source	Lactococcus lactis
Form	White to light brown powder
CAS No.	1414-45-5
Molecular Formula	C ₁₄₁ H ₂₂₈ O ₃₈ N ₄₁ S ₇ (Nisin Z)
Molecular Weight	3330.31
Purity	≥900 IU/mg