

## Nisin Z

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Cat. No.: HY-P3466  
CAS No.: 137061-46-2  
Batch No.: 314959  
Chemical Name: Nisin A, 27-L-asparagine-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{141}H_{229}N_{41}O_{38}S_7$   
Molecular Weight: 3331.05  
Storage: Sealed storage, away from moisture and light, under nitrogen  
Powder            -80°C    2 years  
                      -20°C    1 year  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

Chemical Structure:

# Nisin Z

### ANALYTICAL DATA

Appearance: Off-white to light brown (Solid)  
Titer: 1150 IU/mg  
Loss on drying: 0.37%  
Lead:  $\leq 1$  mg/kg  
NaCl: 97.1%  
Total plate counts:  $\leq 10$  cfu/g  
Coliforms:  $< 3.0$  MPN/g  
E.coli:  $< 3.0$  MPN/g  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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