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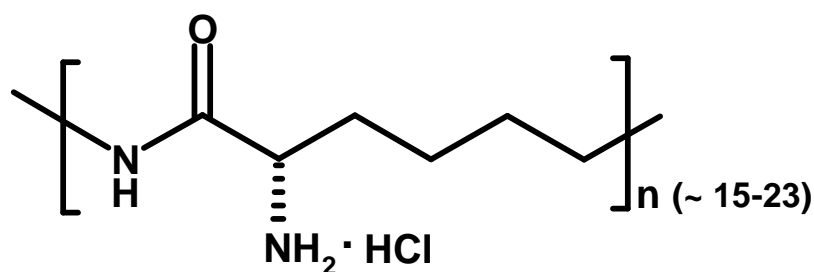
Product Specifications

ϵ -Poly-L-lysine

CAS 73548-20-6 (Hydrochloride); 28211-04-3 (free-base)

Syn: ϵ -Poly(L-lysine) Hydrochloride; EPL; Poly(L-lysine) Hydrochloride; Lysine Homopolymer Hydrochloride

Structure:



Mol. Formula
Source

$(\text{C}_6\text{H}_{12}\text{N}_2\text{O})_x \cdot x \text{HCl}$
Bacterial Fermentation
(*Streptomyces albulus*)

MW_{AVG}

2.5-3.5 KDa

Test

Specification

| | |
|----------------------------------|-------------------|
| Appearance | Milk-white powder |
| Purity (hplc, area%) | > 98% |
| LOD | ≤ 8% |
| Ash (Residue on ignition) | < 2% |
| pH (1% aqueous solution) | 4-6 |
| Chloride (titration) | < 25% |
| Heavy metals | |
| Pb (Colorimetric) | ≤ 2 ppm |
| As (Colorimetric) | ≤ 1 ppm |

Microbiological Specifications

| | |
|-------------------------------|-------------|
| Total Aerobic (CFU/g) | ≤ 10 CFU/g |
| Mold and Yeast (CFU/g) | ≤ 30 CFU/g |
| Endotoxin Level | < 0.5 EU/mg |

Storage: Maintain in cool, dry containment.