Tribioscience

Poly-L-lysine hydrobromide - M.W:1000-5000, Enzyme Activity

Catalog	Unit
TBP0102-10MG	10 mg
TBP0102-100MG	100 mg

Product Details

Purity: min. 95 %

Chemical Formula: $(C_6H_{12}N_2O_2)n•(HBr)x$

Storage: store at <-15°C, close container well

CAS No.: 25988-63-0

Description

Poly-L-lysine hydrobromide is a polymer that consists of repeating lysine monomers. It has a molecular weight range of 1000 to 5000 Daltons. Poly-L-lysine hydrobromide is used for intramolecular hydrogen bonding, which increases its resistance to thermal and kinetic energy. Poly-L-lysine hydrobromide is also used in the structural analysis of proteins, because it can be easily purified from human serum by dialysis. This polymer has been shown to be effective against carcinoma cell lines, amide bonds, terminal residues, and ester linkages. There is also evidence that poly-L-lysine hydrobromide may have anticancer properties in vitro and in vivo. Poly-L-lysine hydrobromide has been shown to have antiangiogenic properties due to its ability to block the interaction between tumor cells and endothelial cells. This can lead to tumor regression and decreased metastasis.

For research use only