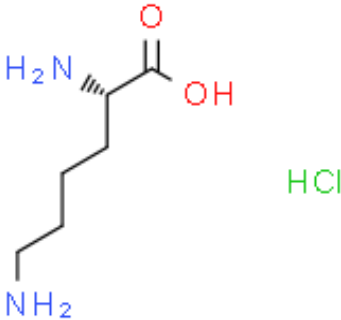


Product Data Sheet

Cas No.:	26124-78-7	Cat. No:	PL12214
Product Name:	Poly-L-lysine hydrochloride		
Product synonym:	聚 L-赖氨酸盐酸盐		
Chemical name:	Poly-L-lysine hydrochloride		
MF:	C6H15CLN2O2	FW:	182.648500680923
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	Cl.OC([C@H](CCCCN)N)=O		
InChI Code:	-		
InChI Key:			
<p>WARNING This product is not for human or veterinary use.</p>			

Product Description

Poly-L-lysine hydrochloride 是一种非特异性的细胞附着因子, 通过增强细胞膜负离子与培养基表面的静电相互作用, 促进细胞对固体基质的粘附。Poly-L-lysine hydrochloride 是一种抗菌肽。Poly-L-lysine hydrochloride 低浓度促进相分离 (Liquid-liquid phase separation, LLPS), 高浓度抑制相分离。

生物活性	Poly-L-lysine hydrochloride is a nonspecific attachment factor for cells useful in promoting cell adhesion to solid substrates by enhancing electrostatic interaction between negatively charged ions of the cell membrane and the culture surface. Poly-L-lysine hydrochloride is a strong-attraction regulator that promotes liquid-liquid phase separation (LLPS) at low concentrations but suppresses LLPS at high concentrations. Antibacterial cationic peptide..
体外研究(In Vitro)	Poly-L-lysine is a food-grade antimicrobial peptide that forms complexes with proteins. Such complexes are potential carriers for targeted delivery of agents. Electrostatic potential modelling of EPL was employed to describe the interaction affinity. A three-dimensional phase boundary curve was established which divided the complexation into a nano-scale and phase separation. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: H ₂ O : 50 mg/mL (Need ultrasonic and warming)