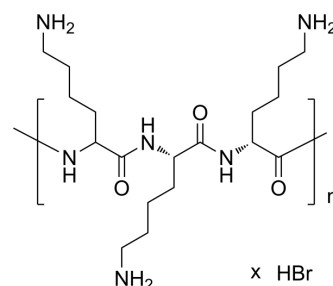


Poly-D-lysine hydrobromide (MW 70000-150000)

Cat. No.:	HY-139201A
CAS No.:	27964-99-4
Molecular Formula:	C ₂₀ H ₄₃ BrN ₆ O ₃
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 50 mg/mL * "≥" means soluble, but saturation unknown.
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BIOLOGICAL ACTIVITY

Description	Poly-D-lysine hydrobromide (MW 70000-150000) is a synthetic polymeric substrate and is one of the most widely used substrate in neural cell culture. Poly-D-lysine hydrobromide (MW 70000-150000) removes proteinase K-resistant PrP from prion-infected SN56 neuroblastoma cells without affecting PrP ^C [1][2].
In Vitro	Poly-D-lysine is immunogenic in rabbits only when injected at low doses ^[1] . The approximate concentration of Poly-D-lysine (PDL) needed to lower the amount of PrPres by 50% corresponds to ~0.8 μg/mL or 50 nM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. HansVermeersch, et al. Immunogenicity of poly-D-lysine, a potential polymeric drug carrier. Journal of Controlled Release. Volume 32, Issue 3, 1 December 1994, Pages 225-229.

[2]. Zhou Xu, et al. Mechanistic insights into cellular alteration of prion by poly-D-lysine: the role of H2H3 domain. FASEB J. 2011 Oct;25(10):3426-35.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA