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## Product Information

### Poly-L-ornithine hydrobromide

Product Number **P 3655**

Storage Temperature  $-0^{\circ}\text{C}$

#### Product Description

CAS Number: 27378-49-0

Poly-L-ornithine has been used to transfect DNA into mammalian cells. Transient transfection rates in keratinocytes were reported to be increased using poly-L-ornithine/DMSO as compared to polybrene/DMSO or polybrene/glycerol methods.<sup>1-3</sup>

Poly-L-ornithine (Product No. P 3655) has a molecular weight range of 30-70 kDa. The molecular weight is determined by viscosity. It is also determined by LALLS and SEC-LALLS.

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

It is soluble in water (50 mg/ml), yielding a clear solution. Solutions can be sterile filtered through a 0.22  $\mu\text{m}$  filter using a teflon filter to minimize any adsorption to the filter.

#### References

1. Nead, M. A., and McCance, D. J., Poly-L-ornithine-mediated Transfection of Human Keratinocytes. *J. Invest. Dermatol.*, **105(5)**, 668-671 (1995).
2. Bond, V. C., and Wold, B., Poly-L-ornithine-mediated Transformation of Mammalian Cells. *Mol. Cell. Biol.*, **7(6)**, 2286-2293 (1987).
3. Dong, Y., et.al., Efficient DNA Transfection of Quiescent Mammalian Cells Using Poly-L-ornithine. *Nucleic Acids Res.*, **21(3)**, 771-772 (1993).

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