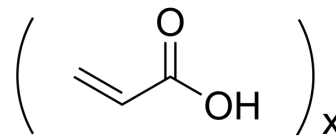


## Poly(acrylic acid) (MW 450000)

Cat. No.:	HY-W243303E
CAS No.:	9003-01-4
Molecular Formula:	(C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>x</sub>
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (Infinity mM); Clear solution

### BIOLOGICAL ACTIVITY

Description	Poly(acrylic acid) (MW 450000) is a polyacrylic acid with a molecular weight of 450000. Poly(acrylic acid) (MW 450000) is an anionic polymer. Poly(acrylic acid) (MW 450000) can be as a corrosion-mitigating and surface-stabilizing agent <sup>[1]</sup> .
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### REFERENCES

[1]. Hawley WB, et, al. Enabling aqueous processing for LiNi0.80Co0.15Al0.05O2 (NCA)-based lithium-ion battery cathodes using polyacrylic acid. *Electrochimica Acta*. 2021 Jun 1;380: 138203.

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

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