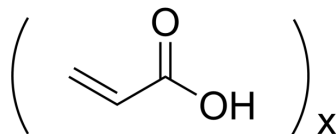


Poly(acrylic acid) (MW 450000)

Cat. No.:	HY-W243303E
CAS No.:	9003-01-4
Molecular Formula:	(C ₃ H ₄ O ₂) _x
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 ^[1] .
-------------	--

REFERENCES

[1]. Hawley WB, et, al. Enabling aqueous processing for LiNi_{0.80}Co_{0.15}Al_{0.05}O₂ (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.

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