Solution properties of some new polybetains and their potential use in protein purification.

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Abstract

Diallyl amine salts N,N-diallyl-N-carboethoxymethylammonium chloride underwent homopolymn. to yield linear water-sol. polyelectrolye having five-membered cyclic structure on the polymeric backbone. The cationic polyelectrolyte having pendent ester groups was hydrolyzed to the corresponding polybetaine. Soln. properties of this polymer and the corresponding copolymer with SO2 are briefly discussed.