影響幾丁聚醣溶液黏度因素之研究

In this study, chitosan was dissolved in acetic acid solution. The effects of time, temperature and concentration of potassium persulfate (KPS) on viscosity variation of chitosan solution were investigated. Viscosity of chitosan solution was decreased with rising temperature, increasing degradation time or concentration of KPS. Combining the effects of time and temperature, an experimental formula can be found: .eta.=k/sub o/e/sup (Ea/RT)/-(a-bT)t. The value of E/sub a/ is constant, 24.8(kJ/mol).