

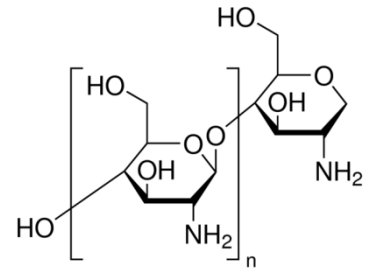


Chitosan

Medium molecular weight

Synonym: Deacetylated chitin, Poly(D-glucosamine)

CAS Number 9012-76-4 MDL number MFCD00161512



Properties

viscosity	200-800 cP, 1 wt. % in 1% acetic acid(25 °C, Brookfield)(lit.)
solubility	dilute aqueous acid: soluble

Description

Physical form

75-85% deacetylated

Application

Flocculant, protein precipitation, encapsulating agent and aqueous thickener.

Forms gels with multivalent anions. Gives clear solutions that dry to strong, clear films.

Features and Benefits

Biocompatible, antibacterial and environmentally friendly polyelectrolyte with a variety of applications including water treatment, chromatography, additives for cosmetics, textile treatment for antimicrobial activity, novel fibers for textiles, photographic papers, biodegradable films, biomedical devices, and microcapsule implants for controlled release in drug delivery.