

Product Data Sheet

Product Name: Chitosan (100-200 mpa.s)

Cat. No.: GC26114

Chemical Properties

Cas. No. 9012-76-4

SMILES COC(=O)NC1C(C(C(OC1OC2C(OC(C(C2O)N)OC3C(OC(C(C3O)N)O)CO)CO)CO)OC4C(C(C(C(C(O4)CO)OC5C(C(C(C(O5)CO)OC6C(C(C(C(O6)CO)OC7C(C(C(C(O7)CO)OC8C(C(C(C(O8)CO)OC9C(C(C(C(O9)CO)O)O)N)O)N)O)N)O)N)O)N)O)N)O

Formula $(C_6H_{11}NO_4)_n$ M.Wt

Solubility Soluble in 1M acetic acid (10 mg/ml); Storage 2-8°C
Soluble in acetic acid, adipic acid, formic acid, lactic acid, propionic acid and succinic acid. Insoluble in phosphoric acid, sulfuric acid, neutral and alkaline media

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

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

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, 3 biomedical devices, and microcapsule implants for controlled release in drug delivery.

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