

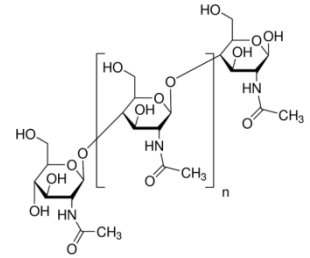


Chitin from shrimp shells

practical grade, powder

Synonym: Poly-(1→4)-β-N-acetyl-D-glucosamine

CAS Number 1398-61-4 EC Number 215-744-3 MDL number MFCD00466914 PubChem Substance ID 24892942



Properties

grade	practical grade
form	powder

Description

Antigen Background

Chitin from shrimp shells is suitable for analysis of chitinase. It is a polysaccharide composed of N-acetyl-D-glucosamine that can also be used for the manufacture of glucosamine and chitosan.

Quality

Requires purification prior to use as a substrate for chitinase.

Application

Chitin from shrimp shells, a long-chain polymer of a β-1,4 linked N-acetylglucosamine residues, may be used to study its physicochemical properties and role in the formation of arthropod exoskeletons. It may be used to identify and characterize chitinase(s) and chitin deacetylase(s) and as a control to study the structure of chitins from other species. It may be used in chitin asthma and allergy research. Chitin may be used as a viscosity/thickening agent or binder.