

Product Information

Chitosan, Squid

Cat. No.: X22-09-ZQ192

Size: 25 g; 100 g; 250 g; 500 g; 1 kg

MDL: MFCD00161512

CAS Number: 9012-76-4

Compound CID: 71853

PubChem Substance ID: 310269598

Synonym: 9012-76-4; Chitosan; Poliglusam; Chicol

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Chitosan is a linear polysaccharide composed of randomly distributed β -(1 \rightarrow 4)-linked D-glucosamine and N-acetyl-D-glucosamine. Chitosan was extracted from squid. This product can be used in the research of pharmaceutical products.
Molecular Weight	580 kDa
Molecular Formula	(C ₆ H ₁₁ NO ₄) _n
InChI	InChI=1S/C56H103N9O39/c1-87-56(86)65-28-38(84)46(19(10-74)96-55(28)104-45-18(9-73)95-49(27(64)37(45)83)97-39-12(3-67)88-47(85)20(57)31(39)77)103-54-26(63)36(82)44(17(8-72)94-54)102-53-25(62)35(81)43(16(7-71)93-53)101-52-24(61)34(80)42(15(6-70)92-52)100-51-23(60)33(79)41(14(5-69)91-51)99-50-22(59)32(78)40(13(4-68)90-50)98-48-21(58)30(76)29(75)11(2-66)89-48/h11-55,66-85H,2-10,57-64H2,1H3,(H,65,86)/t11-,12-,13-,14-,15-,16-,17-,18-,19-,20-,21-,22-,23-,24-,25-,26-,27-,28-,29-,30-,31-,32-,33-,34-,35-,36-,37-,38-,39-,40-,41-,42-,43-,44-,45-,46-,47-,48+,49+,50+,51+,52+,53+,54+,55+/m1/s1
InChI Key	FLASNYPZGWUPSU-SICDJOISSA-N
Canonical SMILES	COC(=O)NC1C(C(C(OC1OC2C(OC(C(C2O)N)OC3C(OC(C(C3O)N)O)CO)CO)OC4C(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)N)O
Isomeric SMILES	COC(=O)N[C@@H]1[C@H]([C@@H]([C@H]([C@H]([C@H]1O[C@@H]2[C@H]([C@H]([C@@H]([C@H]([C@H]2O)N)O[C@@H]3[C@H]([C@H]([C@H]([C@H]([C@H]3O)N)O)CO)CO)O[C@@H]4[C@H]([C@H]([C@H]([C@H]([C@H]4O)CO)O[C@@H]5[C@H]([C@H]([C@H]([C@H]([C@H]5O)CO)O[C@@H]6[C@H]([C@H]([C@H]([C@H]([C@H]6O)CO)O[C@@H]7[C@H]([C@H]([C@H]([C@H]([C@H]7O)CO)O[C@@H]8[C@H]([C@H]([C@H]([C@H]([C@H]8O)CO)O)O)N)O)N)O)N)O)N)O)N)O)N)O)N)O



Source	Squid
Partical Size	0.5 mm
Viscosity	10-100 cP
Degree of Deacetylation	>90% DDA
Ash Content	<1.00%
Form	Yellow powder
pH	6.0-8.0
Applications	Chitosan can be used in the research of pharmaceutical products.
Storage	Store at room temperature.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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