



InChI Key	FLASNYPZGWUPSU-SICDJOISSA-N
Canonical SMILES	<chem>COC(=O)NC1C(C(C(OC1OC2C(OC(C(C2O)N)OC3C(OC(C(C3O)N)O)CO)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</chem>
Isomeric SMILES	<chem>COC(=O)N[C@@H]1[C@H]([C@@H]([C@H](O[C@H]1O[C@@H]2[C@H](O[C@H]([C@@H]([C@H]2O)N)O[C@@H]3[C@H](O[C@H]([C@@H]([C@H]3O)N)O)CO)CO)CO)O[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)CO)O[C@H]5[C@@H]([C@H]([C@@H]([C@H](O5)CO)O[C@H]6[C@@H]([C@H]([C@@H]([C@H](O6)CO)O[C@H]7[C@@H]([C@H]([C@@H]([C@H](O7)CO)O[C@H]8[C@@H]([C@H]([C@@H]([C@H](O8)CO)O[C@H]9[C@@H]([C@H]([C@@H]([C@H](O9)CO)O)N)O)N)O)N)O)N)O)N)O</chem>
Form	Coarse ground flakes or powder
Purity	Reported, >75% deacetylated.
Solubility	Insoluble in H ₂ O; Insoluble in organic solvents.
Applications	Chitosan can be used as a flocculant, protein precipitant, encapsulant, and aqueous thickener.
Storage	Store at 4°C.
