

Product Information

Chitin, Practical grade

Cat. No.: X23-09-YW024

Size: 25 g; 100 g; 250 g; 500 g; 1 kg; 2.5 kg; Bulk

MDL: MFCD00466914

CAS Number: 1398-61-4

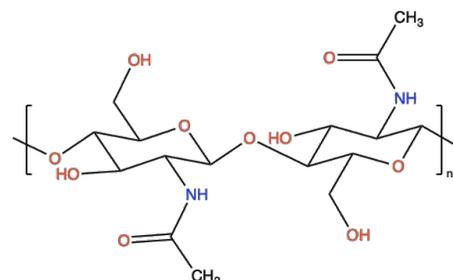
PubChem Substance ID: 24893190

PubChem CID: 6857375

NACRES: NA.25

Synonym: *N*-[(2*R*)-2,4,5-trihydroxy-6-(hydroxymethyl)oxan-3-yl]acetamide; Chitin from shrimp shells; Poly-(1-4)-β-*N*-acetyl-D-glucosamine; Poly-*N*-acetylglucosamine

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



Product Information

Description	Chitin can be used in research and industries for its biocompatibility. It has applications in wound healing, tissue engineering, water purification, and biodegradable materials, advancing various fields.
Molecular Weight	(203.19) _n
Molecular Formula	(C ₈ H ₁₃ NO ₅) _n
IUPAC Name	<i>N</i> -[(2 <i>R</i>)-2,4,5-Trihydroxy-6-(hydroxymethyl)oxan-3-yl]acetamide
InChI	InChI=1S/C8H15NO6/c1-3(11)9-5-7(13)6(12)4(2-10)15-8(5)14/h4-8,10,12-14H,2H2,1H3,(H,9,11)/t4?,5?,6?,7?,8-/m1/s1
InChI Key	OVRNDRQMDRJTHS-RTRLRPJTCSA-N
Canonical SMILES	CC(=O)NC1C(C(C(OC1O)CO)O)O
Isomeric SMILES	CC(=O)N[C@@H]1[C@H]([C@@H]([C@H]([C@H](OC1O)CO)O)O)O
Form	Powder
Purity	Reported
Applications	Chitin is a long-chain polymer of a β-1,4 linked <i>N</i> -acetylglucosamine residues, which can be used to study its physicochemical properties and role in the formation of arthropod exoskeletons.
Storage	Store at room temperature.