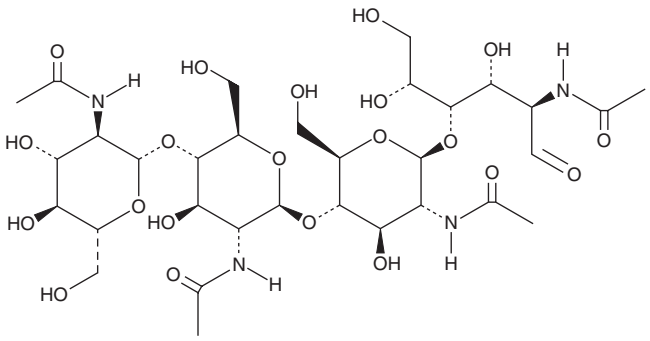
PRODUCT INFORMATION

N,N′,N′′,N′′′-Tetraacetylchitotetraose

Item No. 45685

CAS Registry No.: 2706-65-2
Formal Name: O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy-D-glucose
Synonyms: $(GlcNAc)_4$, N-Tetraacetylchitotetraose
MF: $C_{32}H_{54}N_4O_{21}$
FW: 830.8
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

N,N′,N′′,N′′′-Tetraacetylchitotetraose is supplied as a solid. A stock solution may be made by dissolving the N,N′,N′′,N′′′-tetraacetylchitotetraose in the solvent of choice, which should be purged with an inert gas. N,N′,N′′,N′′′-Tetraacetylchitotetraose is sparingly soluble (1-10 mg/ml) in a 1:1 solution of acetontrile:water.

N,N′,N′′,N′′′-Tetraacetylchitotetraose is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

N,N′,N′′,N′′′-Tetraacetylchitotetraose is a tetramer of N-acetylglucosamine. It inhibits the hemagglutination activity of rice bran lectin-1 and -2, isolated from *O. sativa*, against rabbit erythrocytes.[1]

Reference

1. Nakata, H., Lin, C.Y., Abolhassani, M., *et al.* Isolation of rice bran lectins and characterization of their unique behavior in Caco-2 cells. *Int. J. Mol. Sci.* **18(5)**, 1052 (2017).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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