

Product Data Sheet

Product Name: Chitobiose Octaacetate

Cat. No.: GC43238

Chemical Properties

Cas. No. 41670-99-9

SMILES O=C(OC[C@H]1OC([C@@H]([C@H]([C@@H]1O[C@@]2(O[C@@H]([C@H]([C@@H]([C@H]2NC(C)=O)OC(C)=O)OC(C)=O)COC(C)=O)[H])OC(C)=O)NC(C)=O)OC(C)=O)C

Formula C₂₈H₄₀N₂O₁₇

M.Wt 676.6

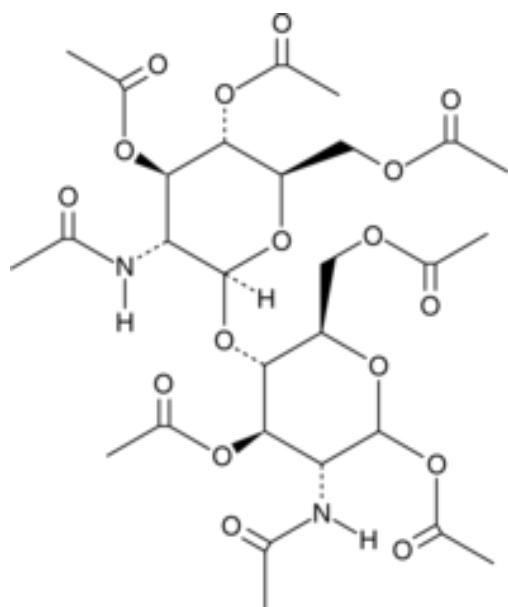
Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, DMSO: PBS (pH 7.2) (1:1): 0.5 mg/ml, Ethanol: 0.5 mg/ml

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Chitobiose is a dimer of β -1,4 linked glucosamine units derived from chitin, which, in turn, is a long

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chain polymer of N-acetylglucosamine that is a primary component of fungal cell walls and arthropod exoskeletons. Chitobiose octaacetate is a form of chitobiose containing eight acetate groups. It is formed by the acetolysis of chitin. Chitobiose octaacetate can be used for the synthesis of chitobiose oxazoline and other chitin precursors.

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