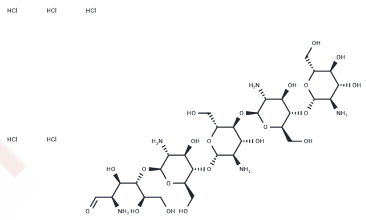
Data Sheet (Cat.No.T38561)

TargetMol

Chitopentaose pentahydrochloride

Chemical Properties



CAS No. : 117467-64-8

Formula: C30H62Cl5N5O21

Molecular Weight: 1006.09

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Chitopentaose pentahydrochloride is an anti-inflammatory chitosan oligosaccharide that functions as a substrate for the gene encoding chitinase B (FjchiB).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9939 mL	4.9697 mL	9.9395 mL
5 mM	0.1988 mL	0.9939 mL	1.9879 mL
10 mM	0.0994 mL	0.497 mL	0.9939 mL
50 mM	0.0199 mL	0.0994 mL	0.1988 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Qini Zhao, et al. Chitoheptaose Promotes Heart Rehabilitation in a Rat Myocarditis Model by Improving Antioxidant, Anti-Inflammatory, and Antiapoptotic Properties. Oxid Med Cell Longev. 2020 Apr 11;2020:2394704.
Papa Rao Vaikuntapu, et al. Applicability of endochitinase of Flavobacterium johnsoniae with transglycosylation activity in generating long-chain chitooligosaccharides. Int J Biol Macromol. 2018 Oct 1;117:62-71.

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