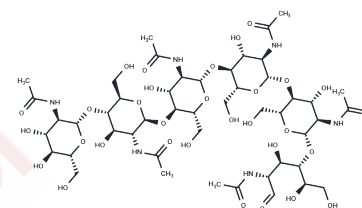


## Hexa-N-acetylchitohexaose

### Chemical Properties

CAS No. :	38854-46-5
Formula:	C48H80N6O31
Molecular Weight:	1237.17
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Hexa-N-acetylchitohexaose enhances disease resistance in crops, and can induce an increase in soybean lignification-related and antioxidant enzyme activities. Hexa-N-acetylchitohexaose is a substrate for lysozyme. Hexa-N-acetylchitohexaose possesses antitumor activity, and can inhibit the growth of solid tumors. Hexa-N-acetylchitohexaose has been shown to be an effective antitumor agent. Hexa-N-acetylchitohexaose has antitumor activity and can inhibit solid tumor growth.
Targets(IC50)	Others
In vivo	N-Acetylchitohexaose (100 mg/kg/day; intravenous; 3 times; ddY mice) significantly inhibits the growth of this allogenic solid tumor, affording a high tumor growth-inhibition ratio (85%) at 7 days after tumor implantation compared with positive control. [3]

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8083 mL	4.0415 mL	8.083 mL
5 mM	0.1617 mL	0.8083 mL	1.6166 mL
10 mM	0.0808 mL	0.4041 mL	0.8083 mL
50 mM	0.0162 mL	0.0808 mL	0.1617 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

Li K, et al. Access to N-Acetylated Chitohexaose with Well-Defined Degrees of Acetylation. Biomed Res Int. 2017; 2017:2486515.

David C. Phillips. THE HEN EGG-WHITE LYSOZYME MOLECULE. Proc Natl Acad Sci U S A. 1967 Mar; 57(3): 483-495.

Suzuki K, et al. Antitumor effect of hexa-N-acetylchitohexaose and chitohexaose. Carbohydr Res. 1986;151:403-408.

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