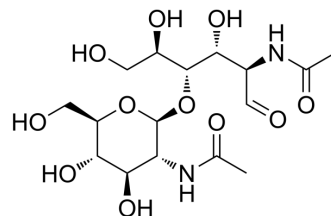


N,N'-Diacetylchitobiose

Cat. No.:	HY-130778
CAS No.:	35061-50-8
Molecular Formula:	C ₁₆ H ₂₈ N ₂ O ₁₁
Molecular Weight:	424.4
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (294.53 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3563 mL	11.7813 mL	23.5627 mL
	5 mM	0.4713 mL	2.3563 mL	4.7125 mL
	10 mM	0.2356 mL	1.1781 mL	2.3563 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N,N'-Diacetylchitobiose is a dimer of β(1,4) linked N-acetyl-D glucosamine. N,N'-Diacetylchitobiose is the hydrolysate of chitin and can be used as alternative carbon source by *E. coli*^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Fangmeng Chu, et al. An optimized cocktail of chitinolytic enzymes to produce N,N'-diacetylchitobiose and N-acetyl-d-glucosamine from defatted krill by-products. *Int J Biol Macromol.* 2019 Jul 15;133:1029-1034.

Caution: Product has not been fully validated for medical applications. For research use only.

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