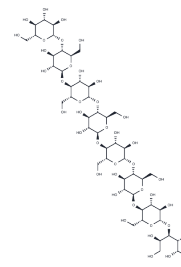


Cellooctaose

Chemical Properties

CAS No. :	120434-20-0
Formula:	C ₄₈ H ₈₂ O ₄₁
Molecular Weight:	1315.14
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	Cellooctaose, an oligosaccharide comprising eight glucose units, serves as an economical polysaccharide substrate in fermentation processes to support the growth of <i>Lactococcus lactis</i> recombinant strains. Additionally, cellooctaose acts as a substrate for the enzyme beta-glucosidase (E.C. 3.2.1.21) [1] [2].
In vitro	Cellooctaose serves as a growth substrate for a recombinant <i>Lactococcus lactis</i> strain that constitutively secretes β -glucosidase and endoglucanase, enabling its metabolism into L-lactic acid (LA) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7604 mL	3.8019 mL	7.6038 mL
5 mM	0.1521 mL	0.7604 mL	1.5208 mL
10 mM	0.076 mL	0.3802 mL	0.7604 mL
50 mM	0.0152 mL	0.076 mL	0.1521 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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