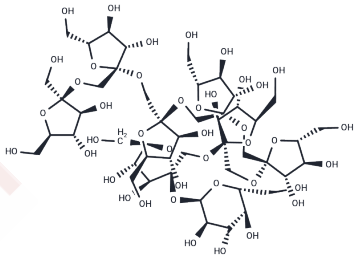
Data Sheet (Cat.No.TN2376)

TargetMol

Fructo-oligosaccharide DP8/GF7

Chemical Properties



CAS No. : 62512-21-4

Formula: C48H82O41

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	Fructo-oligosaccharide DP8/GF7 (Fructo-oligosaccharide DP8 / GF7) is a fructooligosaccharide (FOS) with a degree of polymerization (DP=8). It consists of seven fructose units connected by (2→1)-β-glycosidic bonds, featuring a single D-glucosyl unit at the non-reducing end.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (41.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Reference

Martins GN, et al. Technological Aspects of the Production of Fructo and Galacto-Oligosaccharides. EnzymaticSynthesis and Hydrolysis. Front Nutr. 2019 May 31;6:78.

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