

Fructo-oligosaccharide DP10/GF9

Chemical Properties

CAS No. : 118150-64-4

Formula: C₆₀H₁₀₂O₅₁

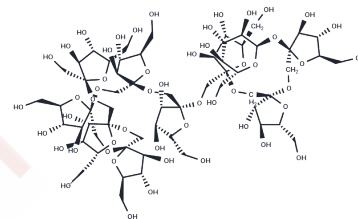
Molecular Weight: 1639.42

Keep away from moisture, Keep away from direct sunlight

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 DP10/GF9 is a fructan with a degree of polymerisation (DP) of 10, consisting of one D-glucose (Glucose) unit at the non-reducing end and nine fructose (Fructose) units linked by (2→1)-β-glycosidic bonds. |
| Targets(IC50) | Others |

Solubility Information

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|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | H ₂ O: 105 mg/mL (64.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.610 mL | 3.0499 mL | 6.0997 mL |
| 5 mM | 0.122 mL | 0.610 mL | 1.2199 mL |
| 10 mM | 0.061 mL | 0.305 mL | 0.610 mL |
| 50 mM | 0.0122 mL | 0.061 mL | 0.122 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. Enzymatic Synthesis and Hydrolysis. Front Nutr. 2019 May 31;6:78.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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