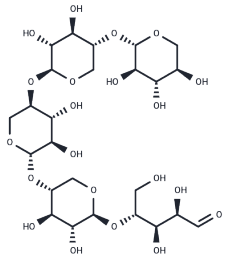
Data Sheet (Cat.No.T8164)

TargetMol

1,4-b-D-Xylopentaose

Chemical Properties



CAS No. : 49694-20-4

Formula: C25H42O21

Molecular Weight: 678.59

Storage: Keep away from direct sunlight
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	1,4-b-D-Xylopentaose consists of five b-1,4 xylose sugars
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 72.5 mg/mL (106.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4736 mL	7.3682 mL	14.7364 mL
5 mM	0.2947 mL	1.4736 mL	2.9473 mL
10 mM	0.1474 mL	0.7368 mL	1.4736 mL
50 mM	0.0295 mL	0.1474 mL	0.2947 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

Lóránd Szabó, Jamal S , Xie H , et al. Structure of a Family 15 Carbohydrate-binding Module in Complex with Xylopentaose[J]. Journal of Biological Chemistry, 2001, 276(52):49061-49065.
Leggio L L , Jenkins J , Harris G W , et al. X-ray crystallographic study of xylopentaose binding toPseudomonas fluorescens xylanase A[J]. Proteins Structure Function & Bioinformatics, 2000, 41(3):362-373.

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