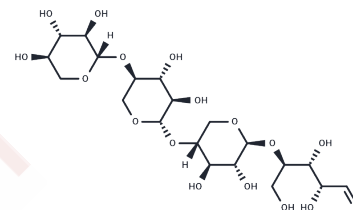


## Xylotetraose

## Chemical Properties

CAS No. :	22416-58-6
Formula:	C <sub>20</sub> H <sub>34</sub> O <sub>17</sub>
Molecular Weight:	546.47
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Xylotetraose, a hydrolysis product of xylan, is a polysaccharide composed mainly of $\beta$ -D-xylose units linked similarly to cellulose.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 150 mg/mL (274.49 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.66 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8299 mL	9.1496 mL	18.2993 mL
5 mM	0.366 mL	1.8299 mL	3.6599 mL
10 mM	0.183 mL	0.915 mL	1.8299 mL
50 mM	0.0366 mL	0.183 mL	0.366 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

Kamble R D , Jadhav A R . Isolation, Purification, and Characterization of Xylanase Produced by a New Species of *Bacillus*, in Solid State Fermentation[J]. International Journal of Microbiology, 2012, 2012:1-8.

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