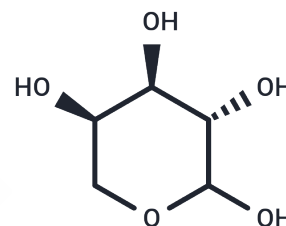


## D-Arabinopyranose

## Chemical Properties

CAS No. :	28697-53-2
Formula:	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>
Molecular Weight:	150.13
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	D-(-)-Arabinose is a reducing sugar useful as a substrate in analysis of arabinose isomerases and synthesis of D-erythroascorbic acid in yeast. It shows strong growth inhibition against the <i>Caenorhabditis elegans</i> with an IC <sub>50</sub> of 7.5 mM.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (333.04 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	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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.

## Reference

Sakoguchi H, et al. Growth inhibitory effect of D-arabinose against the nematode *Caenorhabditis elegans*: Discovery of a novel bioactive monosaccharide. *Bioorg Med Chem Lett*. 2016 Feb 1;26(3):726-729.

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