

## D-(+)-Fucose

## Chemical Properties

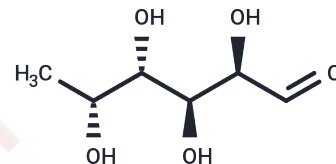
CAS No. : 3615-37-0

Formula: C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>

Molecular Weight: 164.16

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	D-(+)-Fucose is a non-metabolizable analog of l-arabinose and an inducer of $\beta$ -methylgalactoside permease. It inhibits the induction of the l-arabinose manipulator and blocks the growth of Escherichia coli B/r on mineral salts medium with l-arabinose.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 250 mg/mL (1522.9 mM), Sonication is recommended. DMSO: 140 mg/mL (852.83 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	6.0916 mL	30.4581 mL	60.9162 mL
5 mM	1.2183 mL	6.0916 mL	12.1832 mL
10 mM	0.6092 mL	3.0458 mL	6.0916 mL
50 mM	0.1218 mL	0.6092 mL	1.2183 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

Milhomme O , John C , Djedai Ni-Pilard F , et al. Access to Antigens Related to Anthrose Using Pivotal Cyclic Sulfite/Sulfate Intermediates[J]. The Journal of Organic Chemistry, 2011, 76(15):5985-5998.

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