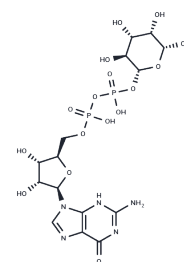


## GDP-L-fucose

## Chemical Properties

CAS No. :	15839-70-0
Formula:	C <sub>16</sub> H <sub>25</sub> N <sub>5</sub> O <sub>15</sub> P <sub>2</sub>
Molecular Weight:	589.34
Storage:	Keep away from direct sunlight 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	GDP-L-fucose is a nucleotide sugar widely found in fungi and plants, playing a role in both the slave and secondary remedial metabolic pathways.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 200 mg/mL (339.36 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	1.6968 mL	8.4841 mL	16.9681 mL
5 mM	0.3394 mL	1.6968 mL	3.3936 mL
10 mM	0.1697 mL	0.8484 mL	1.6968 mL
50 mM	0.0339 mL	0.1697 mL	0.3394 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

Weiyang Wang, et al. Cell-free enzymatic synthesis of GDP-L-fucose from mannose. *AMB Express*. 2019 May 27;9 (1):74.

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