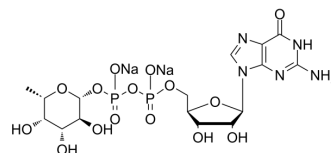


## GDP-L-fucose disodium

Cat. No.:	HY-134433A
CAS No.:	148296-47-3
Molecular Formula:	C <sub>16</sub> H <sub>23</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>15</sub> P <sub>2</sub>
Molecular Weight:	633.31
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

GDP-L-fucose disodium is a nucleotide sugar that is a key substrate for the biosynthesis of fucose oligosaccharides. GDP-L-fucose disodium provides the fucose moiety for the oligosaccharides. The formation of GDP-L-fucose disodium occurs through two pathways, the major de novo metabolic pathway and the minor remedial metabolic pathway<sup>[1]</sup>.

### REFERENCES

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA