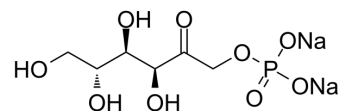


## D-Fructose 1-phosphate disodium

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-112253A  |
| CAS No.:           | 71662-09-4  |
| Molecular Formula: | C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>9</sub> P                           |
| Molecular Weight:  | 304.1   |
| Target:            | Endogenous Metabolite   |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |  |
|---------------------------|--|
| Description               | D-Fructose 1-phosphate disodium salt is a derivative of fructose. It is an important intermediate of glucose metabolism. |
| IC <sub>50</sub> & Target | Human Endogenous Metabolite  |

### CUSTOMER VALIDATION

- BMC Microbiol. 2024 Jan 4;24(1):13.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Zhang Y, Bulur N, Peltier S, Carpentier YA, Malaisse WJ, Sener A. Long-chain fatty acyl-coenzyme A-induced inhibition of glucokinase in pancreatic islets from rats depleted in long-chain polyunsaturated omega3 fatty acids. *Cell Biochem Funct.* 2008;26(2):233-237.
- [2]. Vorobyeva NN, Kurilova SA, Anashkin VA, Rodina EV. Inhibition of Escherichia coli Inorganic Pyrophosphatase by Fructose-1-phosphate. *Biochemistry (Mosc).* 2017;82(8):953-956.

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

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