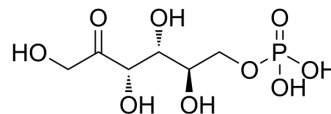


D-Fructose-6-phosphate

Cat. No.:	HY-113407
CAS No.:	643-13-0
Molecular Formula:	C ₆ H ₁₃ O ₉ P
Molecular Weight:	260.14
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 6-phosphate is an endogenous metabolite present in Saliva that can be used for the research of Lewy Body Dementia ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Tsuruoka M, et al. Capillary electrophoresis-mass spectrometry-based metabolome analysis of serum and saliva from neurodegenerative dementia patients. *Electrophoresis*. 2013 Oct;34(19):2865-72.
- [2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. *Oncogene*. 2020 Aug;39(35):5709-5720.

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

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