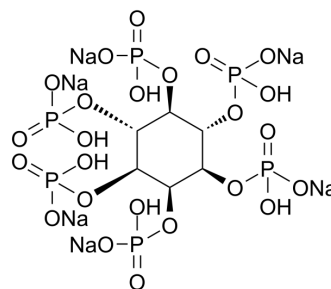


Phytic acid hexasodium

Cat. No.:	HY-N0814B
CAS No.:	34367-89-0
Molecular Formula:	$C_6H_{12}Na_6O_{24}P_6$
Molecular Weight:	791.93
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phytic acid (Inositol hexaphosphate) hexasodium is a phosphorus storage compound of seeds and cereal grains. Phytic acid hexasodium has a strong ability to chelate multivalent metal ions, specially zinc, calcium, iron and as with protein residue. Phytic acid hexasodium inhibits the enzymatic superoxide source xanthine oxidase (XO), and has antioxidative, neuroprotective, anti-inflammatory effects.
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. Perelló J, et al. SNF472, a novel inhibitor of vascular calcification, could be administered during hemodialysis to attain potentially therapeutic phytate levels. *J Nephrol.* 2018 Apr;31(2):287-296.
- [2]. Zabinryk A, et al. SNF472, a novel anti-crystallization agent, inhibits induced calcification in an in vitro model of human aortic valve calcification. *Vascul Pharmacol.* 2019 Nov-Dec;122-123:106583.

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

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