

**PRODUCT: D-Fructose-1,6-bisphosphate trisodium salt****ALTERNATE NAME:** D(+)-Fructofuranose 1,6-diphosphate trisodium salt hydrate, Hexose diphosphate trisodium salt**CATALOG #:** B1057-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:**  $C_6H_{11}Na_3O_{12}P_2$ **MOLECULAR WEIGHT:** 406.06**CAS NUMBER:** 38099-82-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** H<sub>2</sub>O (50 mg/ml)**PURITY:** ≥98% by assay**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** D-Fructose-1,6-bisphosphate (FBP) is an intermediate in the glycolytic pathway, exerting pharmacological actions on inflammation by inhibiting cytokine production or interfering with adenosine production. It may be used as an allosteric activator of enzymes such as pyruvate kinase and NAD<sup>+</sup>-dependent L-(+)-lactate dehydrogenase, as an inhibitor of acetate kinase and as a substrate to identify and characterize enzymes such as fructose-1,6-bisphosphate aldolase(s) and fructose-1,6-bisphosphatase(s).**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**3-Bromopyruvic acid (**B1045**)Oxythiamine Chloride Hydrochloride (**B1046**)6-Aminonicotinamide (**B1047**)2-Deoxy-D-glucose (**B1048**)Lonidamine (**Cat. No. B1058**)**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*