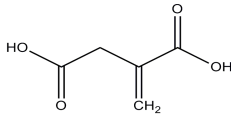


PRODUCT: Itaconic acid**ALTERNATE NAME:** Methylensuccinic acid; 2-Propene-1,2-dicarboxylic acid**CATALOG #:** 2576-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C₅H₆O₄**MOLECULAR WEIGHT:** 130.1**CAS No.** 97-65-4**APPEARANCE:** White solid**SOLUBILITY:** H₂O or EtOH**PURITY:** ≥99% by titration**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** An inhibitor of isocitrate lyase, the key enzyme of the glyoxylate cycle, essential for bacterial growth. Inhibits the growth of bacteria expressing isocitrate lyase. A phosphofructokinase (PFKII) inhibitor. Suppresses glycolysis by decreasing the level of fructose 2,6-bisphosphate, resulting in decreased visceral fat. Might be involved in the regulation of metabolism.**REFERENCES:** McFadden, B.A. and Purohit, S. (1977). *J. Bacteriol.* **131**, 136-144.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**PicoProbe™ Acetyl-CoA Fluorometric Assay Kit (**Cat. No. K317-100**)Aconitase Activity Colorimetric Assay Kit (**Cat. No. K716-100**)Citrate Colorimetric/Fluorometric Assay Kit (**Cat. No. K655-100**)Fumarate Colorimetric Assay Kit (**Cat. No. K633-100**)Malate Colorimetric Assay Kit (**Cat. No. K637-100**)Oxaloacetate Colorimetric/Fluorometric Assay Kit (**Cat. No. K659-100**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans.**