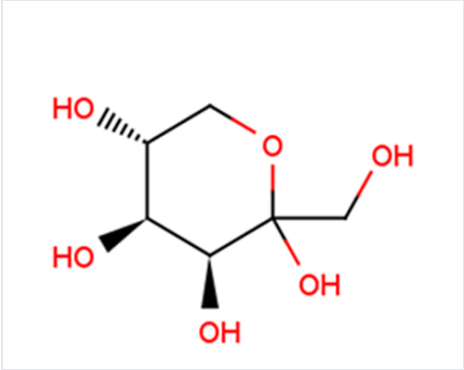
D-(-)-Tagatose Inhibitor

PRODUCT OVERVIEW

Product Name	D-(-)-Tagatose, Inhibitor
Full Product Name	D-(-)-Tagatose
Product Synonym Names	D-Tagatose; d-tagatos
Form/Format	Powder
Purity/Purification	97.84%
Preparation and Storage	Store at -20 degree C for 3 years powder; -80 degree C for 2 years in solvent For obtaining a higher solubility, please warm the tube at 37 degree C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 degree C for several month.
Molecular Weight	180.16
Formula	C6H12O6
CAS	87-81-0
Smiles	OCC1(O)OC[C@@H](O)[C@H](O)[C@@H]1O
Solubility	Water: 100mg/mL (<1mg/ml refers to the product slightly soluble or insoluble)
Product Categories/Family for D-(-)-Tagatose, inhibitor	Home; Others
Related Product Information for D-(-)-Tagatose, inhibitor	D-Tagatose, a rare natural hexoketose, is an isomer of d-galactose. D-Tagatose occurs naturally in Sterculia setigera gum, and it is also found in small quantities in various foods such as sterilized and powdered cow's milk, hot cocoa, and a variety of cheeses, yogurts, and other dairy products. It can be synthesized from D-galactose by isomerization under alkaline conditions in the presence of calcium. D-Tagatose have numerous health benefits, including promotion of weight loss, no glycemic effect, anti-plaque, non-cariogenic, anti-halitosis, prebiotic, and anti-biofilm properties, organ transplants, enhancement of flavor, improvement of pregnancy and fetal development, treatment of obesity, and reduction in symptoms associated with type 2 diabetes, hyperglycemia, anemia, and hemophilia. (PMID: 17492284).
Product References and Citations for D-(-)-Tagatose, inhibitor	1. Deokkun O. Tagatose: properties, applications, and biotechnological processes[J]. Applied Microbiology & Biotechnology, 2007, 76 (1):1.
Other Notes	Small volumes of D-(-)-Tagatose, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for D-(-)-Tagatose purchase	MBS5751237 is an inhibitor targeting D-(-)-Tagatose.



Structure of D-(-)-Tagatose, inhibitor

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for D-(-)-Tagatose. It may not necessarily be applicable to this product.

Protein Family	D-tagatose-1,6-bisphosphate aldolase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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