

D-Fructose-13C6 Biochemical

D-Fructose-13C6

CATALOG #
AAA227053

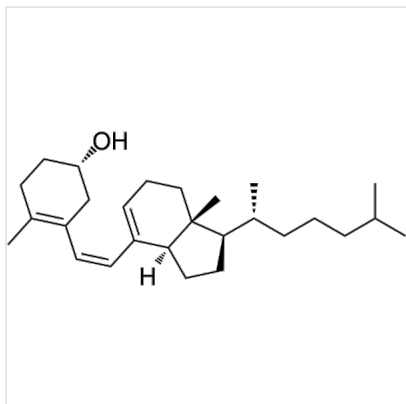
PRODUCT SYNONYMS

D-Fructose-13C6; D-Fructose-13C6 biochemical

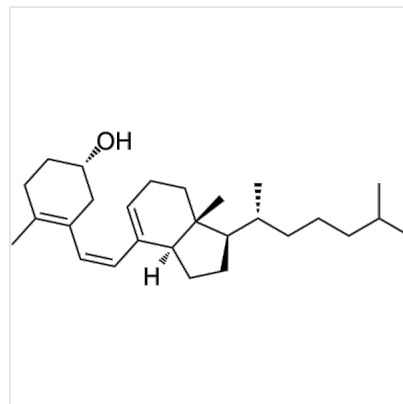
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Formula	C ₆ H ₁₀ O ₆
CAS	201595-65-5
Solubility	DMSO: 1 mg/mL PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Previtamin D3, CAS 1173-13-3



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Previtamin D3, CAS 1173-13-3

ADDITIONAL INFORMATION

Related Product Information for D-Fructose-13C6 biochemical

D-Fructose-13C6 is intended for use as an internal standard for the quantification of D-fructose by GC- or LC-MS. D-Fructose is a ubiquitous monosaccharide and is derived, in addition to glucose, from the breakdown of sucrose by sucrase in the intestine. It is a precursor in the biosynthesis of D-fructose-1,6-bisphosphate, which is an intermediate in the production of D-glucose via gluconeogenesis. Deficiencies in the enzymes that metabolize D-fructose are inborn errors of metabolism that range from benign, for fructokinase deficiency, to severe, for hereditary fructose intolerance, if D-fructose, sucrose, and sorbitol are not eliminated from the diet. Increased consumption of D-fructose is associated with obesity, dyslipidemia, and impaired insulin sensitivity.³

References

1. M F Holick, et al. The Cutaneous Photosynthesis of Previtamin D3: A Unique Photoendocrine System. J Invest Dermatol. 1981 Jul;77(1):51-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/d-fructose-13c6/227053>