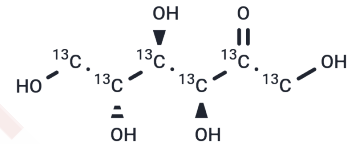


D-Fructose-13C6

Chemical Properties

CAS No. :	201595-65-5
Formula:	C6H12O6
Molecular Weight:	186.11
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	D-Fructose-13C6 can be used as an internal standard for the quantification of D-Fructose (TMSM-0907) by GC- or LC-MS.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1 mg/mL (5.37 mM),Sonication is recommended. H2O: 225 mg/mL (1208.96 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (53.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3732 mL	26.8658 mL	53.7317 mL
5 mM	1.0746 mL	5.3732 mL	10.7463 mL
10 mM	0.5373 mL	2.6866 mL	5.3732 mL
50 mM	0.1075 mL	0.5373 mL	1.0746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Tappy, L., and Lê, K.-A. Metabolic effects of fructose and the worldwide increase in obesity. *Physiol. Rev.* 90(1):23-46 (2010)

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