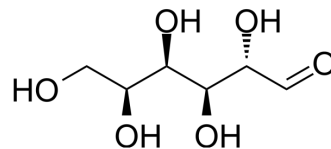


L-Gulose

Cat. No.:	HY-128394
CAS No.:	6027-89-0
Molecular Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.16
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (1387.66 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	5.5506 mL	27.7531 mL	55.5062 mL
			5 mM	1.1101 mL	5.5506 mL	11.1012 mL
10 mM	0.5551 mL	2.7753 mL	5.5506 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (555.06 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	L-Gulose, the putative furanose form of L-sorbose, is an L-hexose sugar and an intermediate in the biosynthesis of L-Ascorbate (vitamin C) ^[1] .	
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

REFERENCES

[1]. Teruhide Sugisawa, et al. Microbial production of L-ascorbic acid from D-sorbitol, L-sorbose, L-gulose, and L-sorbose by *Ketogulonicigenium vulgare* DSM 4025. *Biosci Biotechnol Biochem.* 2005 Mar;69(3):659-62.

Caution: Product has not been fully validated for medical applications. For research use only.

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