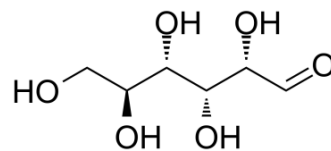


## L-Glucose

<b>Cat. No.:</b>	HY-W010042		
<b>CAS No.:</b>	921-60-8		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	180.16		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 60 mg/mL (333.04 mM; Need ultrasonic)

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

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 3 mg/mL (16.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3 mg/mL (16.65 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

L-Glucose (L-(-)-Glucose) is an enantiomer of D-glucose. L-Glucose can promote food intake<sup>[1]</sup>.

### REFERENCES

- [1]. Wang QP, et al. Chronic Sucralose or L-Glucose Ingestion Does Not Suppress Food Intake. Cell Metab. 2017 Aug 1;26(2):279-280.

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

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