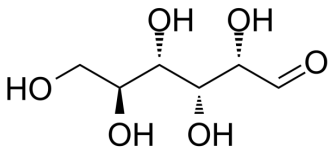
L-Glucose

Cat. No.:	HY-W010042
CAS No.:	921-60-8
Molecular Formula:	$C_6H_{12}O_6$
Molecular Weight:	180.16
Target:	Others
Pathway:	Others

Storage:

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)

Preparing Stock Solutions

Solvent / Mass / Concentration	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: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 3 mg/mL (16.65 mM); Clear solution
2. 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[1].

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.

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

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