

# Product data sheet



MedKoo Cat#: 597089 Name: Sorbitol, L- CAS#: 6706-59-8 Chemical Formula: C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> Exact Mass: 182.0790 Molecular Weight: 182.17	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Sorbitol, L- is a sugar alcohol with a sweet taste which the human body metabolizes slowly. It can be obtained by reduction of glucose, which changes the aldehyde group to a hydroxyl group. Most sorbitol is made from corn syrup, but it is also found in nature, for example in apples, pears, peaches, and prunes. It is converted to fructose by sorbitol-6-phosphate 2-dehydrogenase. Sorbitol is an isomer of mannitol, another sugar alcohol; the two differ only in the orientation of the hydroxyl group on carbon 2. While similar, the two sugar alcohols have very different sources in nature, melting points, and uses.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
To be determined	To be determined	To be determined

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	5.49 mL	27.45 mL	54.89 mL
5 mM	1.10 mL	5.49 mL	10.98 mL
10 mM	0.55 mL	2.74 mL	5.49 mL
50 mM	0.11 mL	0.55 mL	1.10 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

To be determined

In vivo study

To be determined

## 7. Bioactivity

Biological target:

Sorbitol is a sugar alcohol with a sweet taste.

In vitro activity

To be determined

In vivo activity

To be determined

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*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*