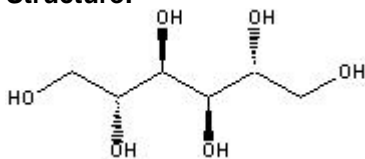


TECHNICAL INFORMATION

Catalog Number: 102248, 152540

D-Mannitol ACS

Structure:



Molecular Formula: C₆H₁₄O₆

Molecular Weight: 182.17

CAS # : 69-65-8

Synonyms: Manna sugar; Mannite; Cordycepic acid

Physical Appearance: Fine white powder

Purity: 98.4%

Solubility: Soluble in water (1 g/5.5 ml), alcohol (1 g/83 ml), glycerol (1 g/18 ml); more soluble in hot water; soluble in pyridine, aniline, and aqueous solutions of alkalis; insoluble in ether.¹

Description: A carbohydrate found in plants and plant exudates.

Typical Uses:¹

- Used with boric acid in the manufacturing of dry electrolytic condensers for radio applications;
- In the making of artificial resins and plasticizers;
- In pharmacy as excipient and diluent for solids and liquids;
- In analytical chemistry for boron determinations;
- In the manufacturing of mannitol hexanitrate.
- Used as an anticaking and free-flow agent, flavoring agent, lubricant and release agent, stabilizer and thickener and nutritive sweetener in the food industry;
- Used as a diuretic.

Availability:

Catalog Number	Description	Size
102248	D-Mannitol	500 g 1 kg 5 kg
152540	D-Mannitol, ACS Reagent Grade	250 g 500 g 1 kg

Reference:

- *Merck Index, 12th Ed.*, No. 5788.