



## Product Information

**Product ID** I5357

**CAS No.** 6917-35-7

**Chemical Name**

**Synonym** myo-Inositol, i-Inositol, Cyclohexanehexol, Meat sugar, Phaseomannite, Dambose, Mouse antialopecia factor

**Formula**  $C_6H_{12}O_6$

**Formula Wt.** 180.16

**Melting Point** 225-227°C

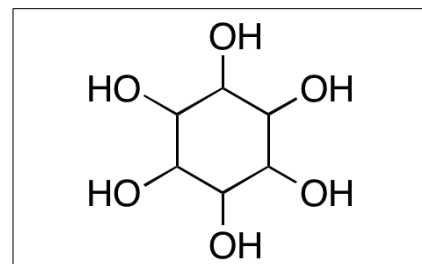
**Purity** ≥98%

**Solubility** Soluble in water. Slightly soluble in alcohol. Insoluble in common organic solvents.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Inositol is an endogenous sugar produced from glucose that can also be found in various fruits. Inositol is a component of inositol monophosphate (IMP) and phosphatidyl inositol, important cell signaling molecules. Inositol plays a role in insulin sensitivity and glucose disposal. TEST!!!!!!



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
I5357	10 g	\$42.00
I5357	100 g	\$60.70
I5357	500 g	\$234.60

**References** Michell RH. Inositol lipids: from an archaeal origin to phosphatidylinositol 3,5-bisphosphate faults in human disease. FEBS J. 2013 Dec;280(24):6281-94. PMID: 23902363.

Larner J, Brautigan DL, Thorner MO. D-chiro-inositol glycans in insulin signaling and insulin resistance. Mol Med. 2010 Nov-Dec;16(11-12):543-52. PMID: 20811656.

Shen X, Xiao H, Ranallo R, et al. Modulation of ATP-dependent chromatin-remodeling complexes by inositol polyphosphates. Science. 2003 Jan 3;299(5603):112-4. PMID: 12434013.

Rapiejko PJ, Northup JK, Evans T, et al. G-proteins of fat-cells. Role in hormonal regulation of intracellular inositol 1,4,5-trisphosphate. Biochem J. 1986 Nov 15;240(1):35-40. PMID: 3103610.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.