

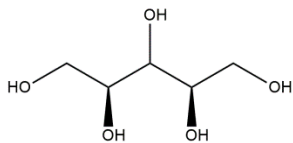
Xylitol

01/21

ALTERNATE NAMES: (2S,4R)-pentane-1,2,3,4,5-pentol; ribitol; adonitol; (2R,3R,4S)-Pentane-1,2,3,4,5-pentaol; 1,2,3,4,5-Pentahydroxypentane

CATALOG #: B3101-10G 10 g
B3101-50G 50 g

STRUCTURE:



MOLECULAR FORMULA: C₅H₁₂O₅

MOLECULAR WEIGHT: 152.15

CAS NUMBER: 87-99-0

APPEARANCE: White crystalline powder

PURITY: ≥98%

SOLUBILITY: ~50 mg/ml in water

DESCRIPTION: Xylitol is a sugar alcohol derived from xylose by reduction of the carbonyl group. It is used as a food additive and sugar substitute. It is found in many fruits and vegetables. It is added to some dental products to prevent tooth decay.

STORAGE TEMPERATURE: -20 °C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Sahni, P.S., Gillespie, M.J., Botto, R.W., et. al. In vitro testing of xylitol as an anticariogenic agent. 50(4):340-3 (2002).

RELATED PRODUCTS:

Liraglutide (Cat No. B2580)
Licogliflozin (Cat. No. B3028)
Meglumine (Cat. No. B3036)
D-Sorbitol Colorimetric Assay Kit (Cat. No. K631)
2-Deoxy-D-Glucose (Cat. No. B1048)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*