

## L-(+)-Arabinose

Cat. No. CSUB-0830

Lot. No. (See product label)

### Introduction

**Description** L-Arabinose is the naturally occurring isomer and constituent of plant polysaccharides. Most bacteria contain an inducible arabinose operon which codes for a series of enzymes and transporters that allows L-arabinose to be used as the sole carbon source in microbial culture.

**Applications** A ubiquitous naturally occurring saccharide

**Synonyms** L-ARA; FEMA 3255; PECTIN SUGAR; (3R,4S,5S)-2,3,4,5-tetrol-oxane; L-Arabinose(9CI); pectinose; L-ARABINOSE SYRUP 70%; L-ARABINOSE, POWDER

### Product Information

**Form** Solid

**CAS No.** 5328-37-0

**Molecular Formula** C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>

**Molecular Weight** 150.13

**Purity** >99%

**Melting Point** 160-163° C (lit.)

**Solubility** Soluble in water (1 M) at 20° C, and glycerol. Insoluble in alcohol.

**Substrates** LDH

### Storage and Shipping Information

**Storage** Store at room temperature