

# Sucrose

Catalog No: **tcsc0013810**



## Available Sizes

**Size:** 100mg



## Specifications

**CAS No:**

57-50-1

**Formula:**

$C_{12}H_{22}O_{11}$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : 100 mg/mL (292.14 mM; Need ultrasonic and warming)

**Alternative Names:**

D-(+)-Saccharose

**Observed Molecular Weight:**

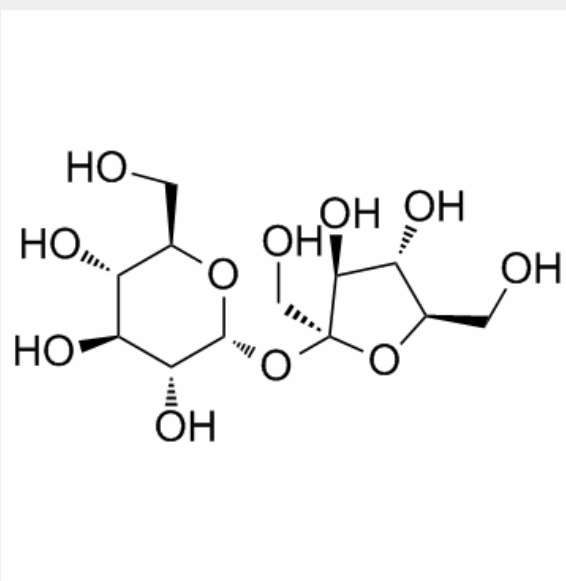
342.3

## Product Description

Sucrose is a disaccharide which is composed of two monosaccharides, glucose and fructose.

**In Vivo:** Sucrose is a disaccharide which is composed of two monosaccharides, glucose and fructose. Compare to chow-feeding, high-energy (HE)-feeding results in an overall decreased preference for Sucrose solutions in both strains. Specifically, obesity-prone (OP) rats prefer 0.3 M and 1.0 M Sucrose solutions less during HE-feeding relative to chow-feeding (P=0.046 and P=0.012,

respectively). As well, obesity-resistant (OR) rats exhibit decreased preferences for 0.01 M, 0.03 M, and 1.0 M Sucrose when HE-fed compare to chow-fed counterparts (P[1]).



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