

Sucrose

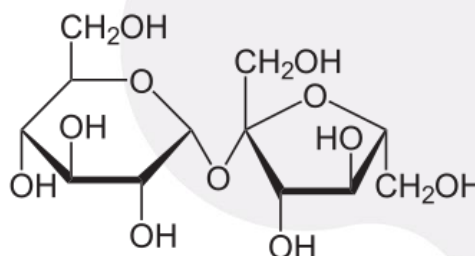
#GCM27.0500 (500g)
(FOR RESEARCH ONLY)



Product: Sucrose (Saccharose) is a disaccharide composed of glucose and fructose, which are connected via an $\alpha(1\rightarrow2)$ glycosidic bond. Sucrose is commonly used as a supplement in culture media for the cultivation of microorganisms.

Specifications:

Chemical Formula:	$C_{12}H_{22}O_{11}$
Molecular Weight:	342.30 g/mol
Specific Rotation:	$+66.3^{\circ}$ - 67.0°
Insoluble matter (H_2O):	Max: 0.005%
Monosaccharides:	Max: 0.04%
Sulfate/Sulfite:	Max: 0.0065%
Chloride (Cl):	Max: 0.0035%
Heavy Metals (Pb):	Max: 0.005%
Ash:	Max: 0.001%



Quantity: 500g

Appearance: White, small crystals

Storage: $2^{\circ}C - 25^{\circ}C$. When not in use, keep container closed to avoid hydration.