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Product Specifications

Catalogue Number	42244
Product	Palatinose hydrate 6- <i>O</i> - α -D-Glucopyranosyl-D-fructose hydrate Isomaltulose hydrate
CAS Number	343336-76-5
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ ·xH ₂ O
Molecular Weight	342.3

Appearance	White to off-white powder
Solubility	Soluble in water
Melting Point	118 - 127 °C
Water Content (Karl Fisher)	≤ 6%
Optical Rotation	$\alpha^{20}_{\text{D}} = 97 - 101^{\circ}$ (C=1 in H ₂ O)
Purity by HPLC	≥ 98%
Storage	Store at 2 - 8 °C

For Laboratory Use Only