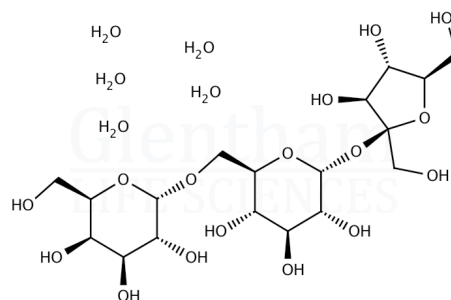


Product Specification

Product Name	D-Raffinose pentahydrate
Glentham Code	GC4633
CAS Number	17629-30-0
EINECS	208-146-9
MDL-Nummer	MFCD00071590
PubChem SID	310279593

Molecular Weight	594.52
Molecular Formula	$C_{18}H_{32}O_{16} \cdot 5H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Solubility (5% in water)	Clear, colourless solution
Specific Optical Rotation	+103.0 - +108.0 ° (c=10, water)
Melting Point	78.0 - 82.0 °C
Residue on Ignition	≤ 0.1%
Heavy Metals	≤ 10ppm
Loss on Drying	13.0 - 17.0 %
Assay (HPLC)	≥ 98.0%

Specification Version	- v1.2
Date Created	- 2024-10-16

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025