

Product Datasheet

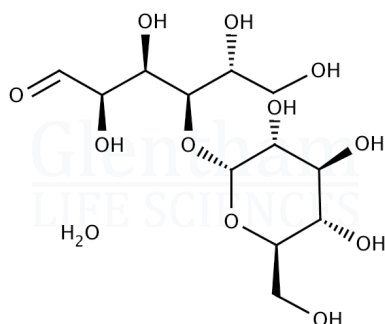
GC5556 - D-(+)-Maltose monohydrate, USP/NF grade

Product Details

Product Name	D-(+)-Maltose monohydrate, USP/NF grade
Glenthams Code	GC5556
CAS Number	6363-53-7
EINECS	200-716-5
MDL Number	MFCD00149343
Additional CAS	69-79-4 (anhydrous)
PubChem SID	310275997
Related Categories	Carbohydrates, Core Carbohydrates, Biochemicals, Raw Materials (IVD), Oligosaccharides

Structure

Molecular Weight : 360.32
Molecular Formula : $C_{12}H_{22}O_{11} \cdot H_2O$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

Physical Description	: White powder
Identification (IR)	: To conform to standard
Identification	: To pass tests A (copper tartrate reaction); B (HPLC RT)
pH (10% in water)	: 4.0 - 5.5
Test for dextrin, starch and sulfite	: To pass test
Water	: 5.0 - 6.5 %
Residue on Ignition	: ≤ 0.05%
Heavy Metals (as Pb)	: ≤ 5ppm
Assay (HPLC)	: ≥ 92.0% (anhydrous basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.1

About D-(+)-Maltose monohydrate, USP/NF grade

Maltose, or maltobiose, is a disaccharide formed by an alpha (1-4) bond between two glucose units. Maltose is used in a wide range of applications, from brewing to biochemistry and cell culture.

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