

Product Information

D-Lactose monohydrate, BioUltra, ≥99.5% (HPLC)

Cat. No.: XGB0061

Size: 25 g;100 g;250 g

MDL: MFCD00166994

CAS Number: 64044-51-5

PubChem Substance ID: 329759435

NACRES: NA.25

Synonym: β-D-Gal-(1→4)-D-Glc,4-O-β-D-Galactopyranosyl-D-glucose,Milk sugar

This product is for research use only and is not intended for diagnostic use.

Product Information

Molecular Weight	360.31
Empirical Formula	C ₁₂ H ₂₂ O ₁₁ · H ₂ O
InChI	1S/C12H22O11.H2O/c13-1-4(16)7(18)11(5(17)2-14)23-12-10(21)9(20)8(19)6(3-15)22-12;/h1,4-12,14-21H,2-3H2;1H2/t4-,5+,6+,7+,8-,9-,10+,11+,12-;/m0./s1
SMILES string	O.OC[C@@H](O)[C@@H](O[C@@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@H]1O)[C@H](O)[C@@H](O)C=O
Purity	BioUltra, ≥99.5% (HPLC)
Quality Level	100
Applications	D-lactose is a disaccharide of D-glucose and D-galactose units and is the main sugar in milk. D-lactose can be used to cultivate lactic acid metabolizing bacteria and identify galectin.

Safety Information

Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
WGK Germany	WGK 3