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## Typical Product Specifications & Properties

# Lactose Monohydrate

CAS Number: : 64044-51-5

Specifications	Limits
Molecular weight	360.31
EINECS	200-559-2
InChI	1S/C12H22O11.H2O/c13-1-3-5(15)6(16)9(19)12(22-3)23-10-4(2-14)21-11(20)8(18)7(10)17;/h3-20H,1-2H2;1H2/t3-,4-,5+,6+,7-,8-,9-,10-,11-,12+;/m0./s1
InChIKey	WSVLPVUVIUCRA-SIQISOGJSA-N
Density	1.525
Storage Temperature	2-8&deg;C
Melting Point	~215 &deg;C (dec.)
Stability	Stable. Incompatible with strong oxidizing agents.
Merck	14,5343
Solubility	H2O: 0.1 g/mL, clear, colorless
Water solubility	Soluble in water (warm) (0.1 g/mL), and ethanol (very slightly soluble). Insoluble in chloroform, and ether.
BRN Number	3768231



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