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Typical Product Specifications & Properties

D-(+)-Raffinose Pentahydrate

CAS Number: : 17629-30-0

Specifications	Limits
Molecular weight	594.51
EINECS	208-146-9
SMILES	<chem>OC[C@H]1O[C@H](OC[C@H]2O[C@H](O[C@]3(CO)O[C@H](CO)[C@@H](O)[C@@H]3O)[C@H](O)[C@@H](O)[C@@H]2O)[C@H](O)[C@@H](O)[C@H]1O</chem>
InChI	MUPFEKGTMRGPLJ-Z QSKZ DJDSA-N
InChIKey	1S/C18H32O16/c19-1-5-8(22)11(25)13(27)16(31-5)30-3-7-9(23)12(26)14(28)17(32-7)34-18(4-21)15(29)10(24)6(2-20)33-18/h5-17,19-29H,1-4H2/t5-,6-,7-,8+,9-,10-,11+,12+,13-,14-,15+,16+,17-,18+/m1/s1
Water solubility	143 g/L
Solubility	H2O: 50 mg/mL
Merck	14,8096
BRN Number	4285763
Storage Temperature	Store at room temperature.
Boiling Point	78-82?
Form	powder



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Specifications	Limits
Melting Point	78-80 °C
Sensitive	Hygroscopic
Alpha	105 ° (c=10, water, dry basis)
Chemical Structure	 49089_49089_d-raffinose-pentahydrate.png chemical structure



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