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## Typical Product Specifications & Properties

# Raffinose

CAS Number: : 512-69-6

Specifications	Limits
Molecular weight	504.44
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
Henry's Law Constant	4.10E-30 atm-m <sup>3</sup> /mole
log P (octanol-water)	-6.760
Atmospheric OH Rate Constant	1.80E-10 cm <sup>3</sup> /molecule-sec
Vapor Pressure	2.00E-25 mm Hg
Water solubility	2.03E+05 mg/L
Melting Point	80 &deg; C
Melting Point	813



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Specifications	Limits
Density	1.81
Stability	Stable. Incompatible with strong oxidizing agents. Combustible.



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