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## Typical Product Specifications & Properties

# alpha-D(+)-Glucose

CAS Number: : 492-62-6

Specifications	Limits
Molecular weight	180.16
EINECS	207-757-8
SMILES	<chem>O[C@H]1O[C@@H]([C@H]([C@@H]([C@H]1O)O)O)CO</chem>
InChI	1S/C6H12O6/c7-1-2-3(8)4(9)5(10)6(11)12-2/h2-11H,1H2/t2-,3-,4+,5-,6+/m0/s1
InChIKey	WQZGKKKJIJFFOK-MDMQIMBFSA-N
log P (octanol-water)	-2.890
Water solubility	5.00E+05 mg/L
Atmospheric OH Rate Constant	1.04E-10 cm <sup>3</sup> /molecule-sec
Melting Point	146 &deg;C
Storage Temperature	2-8&deg;C
Form	solution
Solubility	H2O: 1 M at 20 &deg;C, clear, colorless



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Specifications	Limits
Density	1.544g/cm <sup>3</sup>
Refractive Index	1.362
Color	White
Melting Point	153-156 °C



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