

# D-Glucopyranose, 4-O-[2,3,4,6-tetrakis-O-(trimethylsilyl)-«beta»-D-ga

<b>Other names:</b>	4-O-[2,3,4,6-Tetrakis-O-(trimethylsilyl)-«beta»-D-galactopyranosyl]-1,2,3,6-tetrakis-O-(trimethylsilyl)-D-galactopyranose Lactose, TMS «beta»-Maltose TMS «BETA»-lactose, 8tms derivative
<b>Inchi:</b>	InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-27-29(31(43-51(10,11)12)34(46-54(19,20)21)35(42)44-45(47)49-50(52)53)/p1
<b>InchiKey:</b>	QJZFYVYJIGWEKIR-UHFFFAOYSA-N
<b>Formula:</b>	C36H86O11Si8
<b>SMILES:</b>	<chem>C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1OC1OC(CO[Si](C)(C)C)O</chem>
<b>Mol. weight [g/mol]:</b>	919.75
<b>CAS:</b>	55529-68-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	8.84		Crippen Method
logp	9.476		Crippen Method

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C55529685&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C55529685&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

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