

# «alpha»-D-Glucopyranoside, 1,3,4,6-tetrakis-O-(trimethylsilyl)-«beta»-D-fructofuranose, 2,3,4,6-tetrakis-O-(trimethylsilyl)-

<b>Other names:</b>	Sucrose, octakis-O-(trimethylsilyl)- Octa-O-(trimethylsilyl)sucrose
	D(+)-Sucrose, TMS
	Sucrose, 8tms derivative
<b>Inchi:</b>	InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-28-30(43-51(10,11)12)32(45-53(16,17)18)33(
<b>InchiKey:</b>	JDAONBLATRVCRV-JURUKNGCSA-N
<b>Formula:</b>	C36H86O11Si8
<b>SMILES:</b>	C[Si](C)(C)OCC1OC(OC2(CO[Si](C)(C)C)OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	919.75
<b>CAS:</b>	19159-25-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	8.95		Crippen Method
logp	9.478		Crippen Method
rinpol	2712.00		NIST Webbook
rinpol	2610.70		NIST Webbook
rinpol	2610.70		NIST Webbook
rinpol	2712.00		NIST Webbook

## Sources

<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>
<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=C19159252&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C19159252&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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