

# Sorbopyranose, 1,2,3,4,5-pentakis-O-(trimethylsilyl)-, L-

<b>Other names:</b>	Sorbose, pentakis(trimethylsilyl)- L-(-)-Sorbopyranose, pentakis(trimethylsilyl) ether
<b>Inchi:</b>	InChI=1S/C21H52O6Si5/c1-28(2,3)23-17-21(27-32(13,14)15)20(26-31(10,11)12)19(25-3
<b>InchiKey:</b>	PJXWXHJDJODISP-UHFFFAOYSA-N
<b>Formula:</b>	C21H52O6Si5
<b>SMILES:</b>	C[Si](C)(C)OCC1(O[Si](C)(C)C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	541.06
<b>CAS:</b>	30645-02-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.77		Crippen Method
logp	6.076		Crippen Method
rinpol	1854.00		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=C30645024&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C30645024&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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