

# «beta»-D(+)-Glucose (Dextrose), pyranose, TMS

<b>Inchi:</b>	InChI=1S/C20H50O6Si5/c1-27(2,3)22-16-17(23-28(4,5)6)19(25-30(10,11)12)21-20(26-3
<b>InchiKey:</b>	DMYXNOJXHNOHDN-NLNRRPOYSA-N
<b>Formula:</b>	C20H50O6Si5
<b>SMILES:</b>	C[Si](C)(C)OC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	527.03

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.58		Crippen Method
logp	6.032		Crippen Method
rinpol	2025.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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=R440914&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R440914&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

Latest version available from:

<https://www.chemeo.com/cid/55-744-5/beta-D-Glucose-Dextrose-pyranose-TMS.pdf>

Generated by Cheméo on 2024-04-20 05:37:56.071973373 +0000 UTC m=+15880724.992550684.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.