

# D-Pinitol, pentakis(trimethylsilyl) ether

<b>Other names:</b>	Pinitol, 5TMS
<b>Inchi:</b>	InChI=1S/C22H54O6Si5/c1-23-17-18(24-29(2,3)4)20(26-31(8,9)10)22(28-33(14,15)16)2
<b>InchiKey:</b>	IKOVCQNLJNHSBD-UHFFFAOYSA-N
<b>Formula:</b>	C22H54O6Si5
<b>SMILES:</b>	COC1C(O[Si](C)(C)C)C(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>	555.09

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.62		Crippen Method
logp	6.115		Crippen Method
rmpol	1815.30		NIST Webbook
rmpol	1814.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U380134&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U380134&amp;Units=SI</a>
<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>

## Legend

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

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<https://www.chemeo.com/cid/30-231-1/D-Pinitol-pentakis-trimethylsilyl-ether.pdf>

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