

# Cycloheneicosasiloxane, dotetracontamethyl

<b>Inchi:</b>	InChI=1S/C42H126O21Si21/c1-64(2)43-65(3,4)45-67(7,8)47-69(11,12)49-71(15,16)51-7
<b>InchiKey:</b>	AXCIWEDVVHLSKG-UHFFFAOYSA-N
<b>Formula:</b>	C42H126O21Si21
<b>SMILES:</b>	C[Si]1(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)
<b>Mol. weight [g/mol]:</b>	1557.23

## Physical Properties

Property code	Value	Unit	Source
log10ws	30.57		Crippen Method
logp	15.086		Crippen Method
rinpolar	3624.00		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=R55248&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R55248&amp;Units=SI</a>

## Legend

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

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