

# Silane, chlorodimethyloctadecyl-

<b>Other names:</b>	Dimethyloctadecylchlorosilane Octadecyldimethylchlorosilane Chlorodimethyloctadecylsilane CD5636 Dimethyl-n-octadecylchlorosilane
<b>Inchi:</b>	InChI=1S/C20H43ClSi/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-22(2,3)21/h4-2
<b>InchiKey:</b>	GZGREZWGCWVAEE-UHFFFAOYSA-N
<b>Formula:</b>	C20H43ClSi
<b>SMILES:</b>	CCCCCCCCCCCCCCCC[Si](C)(C)Cl
<b>Mol. weight [g/mol]:</b>	347.09
<b>CAS:</b>	18643-08-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.40		Crippen Method
logp	8.692		Crippen Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	458.00	K	0.03	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=C18643088&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18643088&amp;Units=SI</a>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>tbrp:</b>	Boiling point at reduced pressure

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