

# Silane, chlorodimethyloctyl-

<b>Other names:</b>	Octyldimethylchlorosilane Chlorodimethyloctylsilane Dimethyloctylchlorosilane n-Octyldimethylchlorosilane Dimethyl-n-octylchlorosilane Dimethyloctylsilyl chloride CO9819
<b>Inchi:</b>	InChI=1S/C10H23ClSi/c1-4-5-6-7-8-9-10-12(2,3)11/h4-10H2,1-3H3
<b>InchiKey:</b>	DBKNGKYVNBHWL-UHFFFAOYSA-N
<b>Formula:</b>	C10H23ClSi
<b>SMILES:</b>	CCCCCCCC[Si](C)(C)Cl
<b>Mol. weight [g/mol]:</b>	206.83
<b>CAS:</b>	18162-84-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.21		Crippen Method
logp	4.791		Crippen Method
tb	496.50 ± 1.50	K	NIST Webbook

## Sources

<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=C18162840&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18162840&amp;Units=SI</a>
<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>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>tb:</b>	Normal Boiling Point Temperature

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<https://www.chemeo.com/cid/23-144-6/Silane-chlorodimethyloctyl.pdf>

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