

# Trichlorofluorosilane

<b>Inchi:</b>	InChI=1S/Cl3FSi/c1-5(2,3)4
<b>InchiKey:</b>	PGHWHQUVLXTFLZ-UHFFFAOYSA-N
<b>Formula:</b>	Cl3FSi
<b>SMILES:</b>	F[Si](Cl)(Cl)Cl
<b>Mol. weight [g/mol]:</b>	153.44
<b>CAS:</b>	14965-52-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	2.108		Crippen Method
pc	3579.81 ± 5.06	kPa	NIST Webbook
tc	438.41 ± 0.02	K	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C14965527&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14965527&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>pc:</b>	Critical Pressure
<b>tc:</b>	Critical Temperature

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<https://www.chemeo.com/cid/26-383-8/Trichlorofluorosilane.pdf>

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