

# Silane, chloromethyl-trimethoxy-

<b>Other names:</b>	Chloromethyl-trimethoxysilane
<b>Inchi:</b>	InChI=1S/C4H11ClO3Si/c1-6-9(4-5,7-2)8-3/h4H2,1-3H3
<b>InchiKey:</b>	FPOSCXQHGOVVPD-UHFFFAOYSA-N
<b>Formula:</b>	C4H11ClO3Si
<b>SMILES:</b>	CO[Si](CCl)(OC)OC
<b>Mol. weight [g/mol]:</b>	170.67
<b>CAS:</b>	5926-26-1

## Physical Properties

Property code	Value	Unit	Source
ie	10.63	eV	NIST Webbook
log10ws	1.79		Crippen Method
logp	0.642		Crippen Method
rinsol	910.00		NIST Webbook
rinsol	910.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5926261&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5926261&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>
<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>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinsol:</b>	Non-polar retention indices

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<https://www.chemeo.com/cid/80-775-3/Silane-chloromethyl-trimethoxy.pdf>

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