

Silane, isopropyl-trichloro-

Other names:	Trichloro(1-methylethyl)silane
Inchi:	InChI=1S/C3H7Cl3Si/c1-3(2)7(4,5)6/h3H,1-2H3
InchiKey:	GPWLZOISJZHVHX-UHFFFAOYSA-N
Formula:	C3H7Cl3Si
SMILES:	CC(C)[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	177.53
CAS:	4170-46-1

Physical Properties

Property code	Value	Unit	Source
ie	10.30 ± 0.10	eV	NIST Webbook
log10ws	-0.75		Crippen Method
logp	3.052		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4170461&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

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<https://www.cheméo.com/cid/67-202-3/Silane-isopropyl-trichloro.pdf>

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