

Silane, trichloro(1,2-dichloroethyl)-

Other names:	(1,2-Dichloroethyl)trichlorosilane
Inchi:	InChI=1S/C2H3Cl5Si/c3-1-2(4)8(5,6)7/h2H,1H2
InchiKey:	PXYVBFOZDSGKNO-UHFFFAOYSA-N
Formula:	C2H3Cl5Si
SMILES:	C1CC(Cl)[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	232.40
CAS:	684-00-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.84		Crippen Method
logp	3.027		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	45.70	kJ/mol	414.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C684004&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemed.com/doc/models/crippen_log10ws

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

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