Silane, dichloroethenylmethyl-

Other names:	Silane, dichloromethylvinyl-
	Dichloromethylvinylsilane
	Methyldichlorovinylsilane
	Methylvinyldichlorosilane
	Vinylmethyldichlorosilane
	CV-4772
Inchi:	InChI=1S/C3H6Cl2Si/c1-3-6(2,4)5/h3H,1H2,2H3
InchiKey:	YLJJAVFOBDSYAN-UHFFFAOYSA-N
Formula:	C3H6Cl2Si
SMILES:	C=C[Si](C)(Cl)Cl
Mol. weight [g/mol]:	141.07
CAS:	124-70-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.04		Crippen Method
logp	2.261		Crippen Method
rinpol	680.00		NIST Webbook
sl	381.30	J/mol×K	NIST Webbook
tb	365.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	177.90	J/mol×K	298.15	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C124709&Units=SI

Legend

cpl:	Liquid phase heat capacity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
sl:	Liquid phase molar entropy at standard conditions
tb:	Normal Boiling Point Temperature