

Silane, trichloro(«alpha»-chloro-p-tolyl)-

Other names:	p-(Chloromethyl)phenyltrichlorosilane Silane, trichloro[4-(chloromethyl)phenyl]- Trichloro[4-(chloromethyl)phenyl]silane 4-(Chloromethyl)phenyltrichlorosilane
Inchi:	InChI=1S/C7H6Cl4Si/c8-5-6-1-3-7(4-2-6)12(9,10)11/h1-4H,5H2
InchiKey:	YBYBQFPZMKPGPJ-UHFFFAOYSA-N
Formula:	C7H6Cl4Si
SMILES:	ClCc1ccc([Si](Cl)(Cl)Cl)cc1
Mol. weight [g/mol]:	260.02
CAS:	13688-90-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.12		Crippen Method
logp	3.288		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	416.00 ± 1.00	K	2.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13688909&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

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