

Silane, trichloropentyl-

Other names:	Amyltrichlorosilane Pentylsilicon trichloride Trichloroamylsilane Trichloropentylsilane Pentyltrichlorosilane n-Pentyltrichlorosilane n-Amyltrichlorosilane Silane, pentyltrichloro- UN 1728 CA0900
Inchi:	InChI=1S/C5H11Cl3Si/c1-2-3-4-5-9(6,7)8/h2-5H2,1H3
InchiKey:	KWDQAHIRKOXFAV-UHFFFAOYSA-N
Formula:	C5H11Cl3Si
SMILES:	CCCCC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	205.59
CAS:	107-72-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.59		Crippen Method
logp	3.832		Crippen Method
rinpol	999.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107722&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/80-873-4/Silane-trichloropentyl.pdf>

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