

Silane, chloromethylphenyl-

Other names:	Phenylmethylchlorosilane Chloromethylphenylsilane
Inchi:	InChI=1S/C7H9ClSi/c1-9(8)7-5-3-2-4-6-7/h2-6,9H,1H3
InchiKey:	GVPNBWPLCHOFMX-UHFFFAOYSA-N
Formula:	C7H9ClSi
SMILES:	C[SiH](Cl)c1ccccc1
Mol. weight [g/mol]:	156.69
CAS:	1631-82-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.82		Crippen Method
logp	1.486		Crippen Method
rinpol	1028.40		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	386.00	K	13.30	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=C1631829&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices
tbrp: Boiling point at reduced pressure

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<https://www.chemeo.com/cid/18-360-2/Silane-chloromethylphenyl.pdf>

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