

Chlorosilyl radical

Inchi:	InChI=1S/ClH2Si/c1-2/h2H2
InchiKey:	ALQGDOUABWTVGT-UHFFFAOYSA-N
Formula:	ClH2Si
SMILES:	[SiH2]Cl
Mol. weight [g/mol]:	65.55
CAS:	69723-93-9

Physical Properties

Property code	Value	Unit	Source
ie	7.66 ± 0.23	eV	NIST Webbook
log10ws	2.38		Crippen Method
logp	-0.227		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C69723939&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/17-684-4/Chlorosilyl-radical.pdf>

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