

Silane, methyl-

Other names:	Methylsilane Silaethane CH ₃ SiH ₃
Inchi:	InChI=1S/CH ₆ Si/c1-2/h1-2H3
InchiKey:	UIUXUFNYAYAMOE-UHFFFAOYSA-N
Formula:	CH ₆ Si
SMILES:	C[SiH ₃]
Mol. weight [g/mol]:	46.14
CAS:	992-94-9

Physical Properties

Property code	Value	Unit	Source
ie	10.70	eV	NIST Webbook
ie	11.60	eV	NIST Webbook
log10ws	2.95		Crippen Method
logp	-0.600		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C992949&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.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.chemeo.com/cid/50-388-6/Silane-methyl.pdf>

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