

Silane, dimethyl-

Other names:	(CH ₃) ₂ SiH ₂ 2-Silapropane Dimethylsilane
Inchi:	InChI=1S/C2H8Si/c1-3-2/h3H2,1-2H3
InchiKey:	UBHZUDXTHNMNLD-UHFFFAOYSA-N
Formula:	C ₂ H ₈ Si
SMILES:	C[SiH ₂]C
Mol. weight [g/mol]:	60.17
CAS:	1111-74-6

Physical Properties

Property code	Value	Unit	Source
ie	10.30	eV	NIST Webbook
ie	11.20	eV	NIST Webbook
log10ws	2.31		Crippen Method
logp	0.251		Crippen Method
rinpol	300.00		NIST Webbook

Sources

Air Liquide Gas Encyclopedia:	http://encyclopedia.airliquide.com/Encyclopedia.asp?GasID=518
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1111746&Units=SI

Legend

ie:	Ionization energy
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/10-953-2/Silane-dimethyl.pdf>

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