

Diethylsilane

Other names:	(C ₂ H ₅) ₂ SiH ₂ Silane, diethyl-
Inchi:	InChI=1S/C ₄ H ₁₂ Si/c1-3-5-4-2/h3-5H ₂ ,1-2H ₃
InchiKey:	UCXUKTLCVSGCNR-UHFFFAOYSA-N
Formula:	C ₄ H ₁₂ Si
SMILES:	CC[SiH ₂]CC
Mol. weight [g/mol]:	88.22
CAS:	542-91-6

Physical Properties

Property code	Value	Unit	Source
ie	9.80	eV	NIST Webbook
ie	10.30	eV	NIST Webbook
log10ws	1.47		Crippen Method
logp	1.032		Crippen Method
tb	329.00	K	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=C542916&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.cheméo.com/cid/62-811-2/Diethylsilane.pdf>

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