

Cyclotetrasilane, tetrakis(1,1-dimethylethyl)-

Inchi:	InChI=1S/C16H40Si4/c1-13(2,3)17-18(14(4,5)6)20(16(10,11)12)19(17)15(7,8)9/h17-20H
InchiKey:	APRGYUVNFMXPKX-UHFFFAOYSA-N
Formula:	C16H40Si4
SMILES:	CC(C)(C)[SiH]1[SiH](C(C)(C)C)[SiH](C(C)(C)C)[SiH]1C(C)(C)C
Mol. weight [g/mol]:	344.83
CAS:	54141-88-7

Physical Properties

Property code	Value	Unit	Source
ie	7.42	eV	NIST Webbook
log10ws	3.89		Crippen Method
logp	4.422		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C54141887&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/19-761-6/Cyclotetrasilane-tetrakis-1-1-dimethylethyl.pdf>

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