

Octadecamethyloctasilane

Inchi:	InChI=1S/C18H54Si8/c1-19(2,3)21(7,8)23(11,12)25(15,16)26(17,18)24(13,14)22(9,10)20
InchiKey:	VIUXNBMIWZHBFF-UHFFFAOYSA-N
Formula:	C18H54Si8
SMILES:	C[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)C
Mol. weight [g/mol]:	495.31
CAS:	3704-48-1

Physical Properties

Property code	Value	Unit	Source
ie	6.82 ± 0.02	eV	NIST Webbook
log10ws	11.67		Crippen Method
logp	7.462		Crippen Method

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=C3704481&Units=SI

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/68-172-6/Octadecamethyloctasilane.pdf>

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