

Trisilane,1,1,1,2,3,3,3-heptamethyl-2-(trimethylsilyl)

Inchi:	InChI=1S/C10H30Si4/c1-11(2,3)14(10,12(4,5)6)13(7,8)9/h1-10H3
InchiKey:	PITNOWUEKMGZFG-UHFFFAOYSA-N
Formula:	C10H30Si4
SMILES:	C[Si](C)(C)[Si](C)([Si](C)(C)C)[Si](C)(C)C
Mol. weight [g/mol]:	262.69
CAS:	2003-86-3

Physical Properties

Property code	Value	Unit	Source
ie	7.41 ± 0.01	eV	NIST Webbook
log10ws	5.59		Crippen Method
logp	4.315		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2003863&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

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<https://www.chemeo.com/cid/41-133-8/Trisilane-1-1-1-2-3-3-3-heptamethyl-2-trimethylsilyl.pdf>

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