

Silane, tetraisobutoxy-

Other names:	tetrakis(2-methylpropyl) orthosilicate
Inchi:	InChI=1S/C16H36O4Si/c1-13(2)9-17-21(18-10-14(3)4,19-11-15(5)6)20-12-16(7)8/h13-16
InchiKey:	QKCMIPQMYBKEPP-UHFFFAOYSA-N
Formula:	C16H36O4Si
SMILES:	CC(C)CO[Si](OCC(C)C)(OCC(C)C)OCC(C)C
Mol. weight [g/mol]:	320.54
CAS:	681-98-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.70		Crippen Method
logp	4.112		Crippen Method
rinpola	1304.00		NIST Webbook
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Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C681981&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/18-238-8/Silane-tetraisobutoxy.pdf>

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