

Silane, trimethyl(3-methylbutoxy)-

Other names:	Silane, (isopentyloxy)trimethyl- (Isopentyloxy)(trimethyl)silane 3-Methyl-1-butanol, trimethylsilyl ether Isoamyl alcohol, tms derivative
Inchi:	InChI=1S/C8H20OSi/c1-8(2)6-7-9-10(3,4)5/h8H,6-7H2,1-5H3
InchiKey:	ZYQPBYVVLYYAQX-UHFFFAOYSA-N
Formula:	C8H20OSi
SMILES:	CC(C)CCO[Si](C)(C)C
Mol. weight [g/mol]:	160.33
CAS:	18246-56-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.07		Crippen Method
logp	2.884		Crippen Method
rinpol	842.20		NIST Webbook
rinpol	853.40		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18246565&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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<https://www.chemeo.com/cid/21-291-5/Silane-trimethyl-3-methylbutoxy.pdf>

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