

3,3-Dimethyl-2-butanol, tert-butyldimethylsilyl ether

Other names:	3,3-Dimethyl-2-butanol, tbdms derivative
Inchi:	InChI=1S/C12H28OSi/c1-10(11(2,3)4)13-14(8,9)12(5,6)7/h10H,1-9H3
InchiKey:	CISONTWPABEEIZ-UHFFFAOYSA-N
Formula:	C12H28OSi
SMILES:	CC(O[Si](C)(C)C(C)(C)C)C(C)(C)C
Mol. weight [g/mol]:	216.44

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.85		Crippen Method
logp	4.443		Crippen Method
rinpol	1090.40		NIST Webbook

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=U333318&Units=SI

Legend

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

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