

4-Penten-2-ol, tert-butyldimethylsilyl ether

Other names:	tert-Butyl(dimethyl)[(1-methylbut-3-en-1-yl)oxy]silane 4-Penten-2-ol, tbdms derivative
Inchi:	InChI=1S/C11H24OSi/c1-8-9-10(2)12-13(6,7)11(3,4)5/h8,10H,1,9H2,2-7H3
InchiKey:	KFSXXIOGYKZCLK-UHFFFAOYSA-N
Formula:	C11H24OSi
SMILES:	C=CCC(C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	200.39

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.53		Crippen Method
logp	3.973		Crippen Method
rinpol	1033.50		NIST Webbook
rinpol	1033.50		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333088&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/81-206-3/4-Penten-2-ol-tert-butyldimethylsilyl-ether.pdf>

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