

cis-Crotyl alcohol, tert-butyldimethylsilyl ether

Other names:	[(2Z)-But-2-en-1-yloxy](tert-butyl)dimethylsilane 2-Buten-1-ol, (z)-, tbdms derivative
Inchi:	InChI=1S/C10H22OSi/c1-7-8-9-11-12(5,6)10(2,3)4/h7-8H,9H2,1-6H3/b8-7-
InchiKey:	JJFUGCBBVOTRQK-FPLPWBNLSA-N
Formula:	C10H22OSi
SMILES:	CC=CCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	186.37

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.00		Crippen Method
logp	3.584		Crippen Method
rinpol	1040.70		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333022&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
rinpol:	Non-polar retention indices

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<https://www.chemeo.com/cid/44-776-2/cis-Crotyl-alcohol-tert-butyldimethylsilyl-ether.pdf>

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