trans-Crotyl alcohol, tert-butyldimethylsilyl ether

Other names: [(2E)-But-2-en-1-yloxy](tert-butyl)dimethylsilane
2-Buten-1-ol, (e)-, 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-BQYQJAHWSA-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	1032.90		NIST Webbook
rinpol	1032.90		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=U333021&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices