

tert-butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]oxy)-3-methylbut-2-en

Other names:	2-Ketoisovaleric acid, diTBDMs
Inchi:	InChI=1S/C17H36O3Si2/c1-13(2)14(19-21(9,10)16(3,4)5)15(18)20-22(11,12)17(6,7)8/h1
InchiKey:	VQWZZROTBMSRRS-UHFFFAOYSA-N
Formula:	C17H36O3Si2
SMILES:	CC(C)=C(O[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	344.64
CAS:	959044-48-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.34		Crippen Method
logp	5.851		Crippen Method
rinpol	1646.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C959044485&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.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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