Pentanoic acid, 2-[(tert-butyldimethylsilyl)oxy]-, tert-butyldimethylsilyl ester, (DL)-

Other names: Pentanoic acid, 2-hydroxy, TBDMS
2-Hydroxyvaleric acid, DMTBS
2-Hydroxyvaleric acid, TBDMS
Inchi: InChI=1S/C17H38O3Si2/c1-12-13-14(19-21(8,9)16(2,3)4)15(18)20-22(10,11)17(5,6)7/h1
InchiKey: MGAXIOLXSPMIGG-UHFFFAOYSA-N
Formula: C17H38O3Si2
SMILES: CCCC(O[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 346.65

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.10		Crippen Method
logp	5.725		Crippen Method
rinpol	1621.00		NIST Webbook
rinpol	1619.23		NIST Webbook
rinpol	1621.00		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=U221697&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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