

(R)-3-Hydroxybutyric acid, tert-butyl dimethylsilyl ether, tert-butyl dimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl (3R)-3-pyrroli[tert-butyl(dimethyl)silyl]oxymorphobutanoate
3-Hydroxybutyric acid, (r)-, 2tdms derivative

Inchi: InChI=1S/C16H36O3Si2/c1-13(18-20(8,9)15(2,3)4)12-14(17)19-21(10,11)16(5,6)7/h13H
InchiKey: MTLHHAQBPSTUCQ-UHFFFAOYSA-N
Formula: C16H36O3Si2
SMILES: CC(CC(=O)O[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 332.63

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.68		Crippen Method
logp	5.335		Crippen Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332957&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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