3-Hydroxy-2-butanone, tert-butyldimethylsilyl ether

Other names: 3-Pyrrol[tert-butyl(dimethyl)silyl]oxymorphobutan-2-one
Acetoin, tbdms derivative
Inchi: InChI=1S/C10H22O2Si/c1-8(11)9(2)12-13(6,7)10(3,4)5/h9H,1-7H3
InchiKey: BIULXYNLMGANCB-UHFFFAOYSA-N
Formula: C10H22O2Si
SMILES: CC(=O)C(C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 202.37

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.54		Crippen Method
logp	2.986		Crippen Method
rinpol	1102.50		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=U333796&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices