

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/ci9903071
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

Latest version available from:

<https://www.chemeo.com/cid/51-333-5/3-Hydroxy-2-butanone-tert-butyldimethylsilyl-ether.pdf>

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