

1-Butanol, tert-butyldimethylsilyl ether

Other names:	Butoxy(tert-butyl)dimethylsilane 1-Butanol, DMTBS 1-Butanol, O-TBDMS 1-Butanol, tBDMS 1-Butanol, tbdms derivative
Inchi:	InChI=1S/C10H24OSi/c1-7-8-9-11-12(5,6)10(2,3)4/h7-9H2,1-6H3
InchiKey:	GEOXIEOGBKDPPZ-UHFFFAOYSA-N
Formula:	C10H24OSi
SMILES:	CCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	188.38

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.15		Crippen Method
logp	3.808		Crippen Method
ripol	1008.40		NIST Webbook
ripol	1012.00		NIST Webbook
ripol	1012.00		NIST Webbook
ripol	1000.00		NIST Webbook
ripol	1000.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333047&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

rinpol: Non-polar retention indices

ripol: Polar retention indices

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