5-Amino-1-pentanol, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ether

Other names:	1-tert-Butyl-N-(5-pyrrol[tert-butyl(dimethyl)silyl]oxymorphopentyl)-1,1-dimethylsilanamine
	1-Pentanol, 5-amino, TBDMS
	1-Pentanol, 5-amino, O,N-bis-DMTBS
	5-Amino-1-pentanol, 2tbdms derivative
Inchi:	InChI=1S/C17H41NOSi2/c1-16(2,3)20(7,8)18-14-12-11-13-15-19-21(9,10)17(4,5)6/h18H
InchiKey:	ZKQNEXZQXJYSNW-UHFFFAOYSA-N
Formula:	C17H41NOSi2
SMILES:	CC(C)(C)[Si](C)(C)NCCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	331.68

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.32		Crippen Method
logp	5.773		Crippen Method
rinpol	1763.70		NIST Webbook
rinpol	1763.70		NIST Webbook
rinpol	1760.00		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=U333014&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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