

1,5-Pentanediol, 1,5-bis(tert-butyldimethylsilyl) ether

Other names:	Silane, [1,5-pentanediylobis(oxy)]bis[(1,1-dimethylethyl)dimethyl- Pentane-1,5-bis(tert-butyldimethylsilyl) ether 1,5-Pentanediol, bis-tBDMS ether 1,5-pentanediol, tBDMS 1,5-Pentanediol, 2tbdms derivative
Inchi:	InChI=1S/C17H40O2Si2/c1-16(2,3)20(7,8)18-14-12-11-13-15-19-21(9,10)17(4,5)6/h11-1
InchiKey:	TWRRHVQQNAUKKH-UHFFFAOYSA-N
Formula:	C17H40O2Si2
SMILES:	CC(C)(C)[Si](C)(C)OCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	332.67
CAS:	77572-86-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.21		Crippen Method
logp	6.200		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C77572862&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/44-715-9/1-5-Pentanediol-1-5-bis-tert-butyldimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-04-23 13:46:45.828541232 +0000 UTC m=+16169254.749118544.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.