

# (R)-(+)-Citronellic acid, tert-butyldimethylsilyl ester

Other names:	(R)-(+)-citronellic acid, tbdms derivative
Inchi:	InChI=1S/C16H32O2Si/c1-13(2)10-9-11-14(3)12-15(17)18-19(7,8)16(4,5)6/h10,14H,9,11
InchiKey:	PAYDULIHYPMYID-UHFFFAOYSA-N
Formula:	C16H32O2Si
SMILES:	CC(C)=CCCC(C)CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	284.51

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.05		Crippen Method
logp	5.307		Crippen Method
rinpola	1607.00		NIST Webbook
rinpola	1607.00		NIST Webbook

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333592&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333592&amp;Units=SI</a>

## Legend

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

Latest version available from:

<https://www.cheméo.com/cid/119-865-0/R-Citronellic-acid-tert-butyldimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-29 15:43:11.283235074 +0000 UTC m=+16694640.203812389.

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