

Coniferyl aldehyde, tert-butyldimethylsilyl ether

Other names:	Coniferyl aldehyde, tbdms derivative
Inchi:	InChI=1S/C16H24O3Si/c1-16(2,3)20(5,6)19-14-10-9-13(8-7-11-17)12-15(14)18-4/h7-12H
InchiKey:	RTJRBYNXAVSFEL-BQYQJAHWSA-N
Formula:	C16H24O3Si
SMILES:	COc1cc(C=CC=O)ccc1O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	292.45

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.38		Crippen Method
logp	4.291		Crippen Method
rinpol	2114.70		NIST Webbook
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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=U352424&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/121-317-5/Coniferyl-aldehyde-tert-butyldimethylsilyl-ether.pdf>

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