

# trans-Cinnamic acid, tert-butyldimethylsilyl ester

<b>Other names:</b>	trans-Cinnamic acid, TBDMS (E)-Cinnamic acid, DMTBS Cinnamic acid, (e)-, tbdms derivative
<b>Inchi:</b>	InChI=1S/C15H22O2Si/c1-15(2,3)18(4,5)17-14(16)12-11-13-9-7-6-8-10-13/h6-12H,1-5H
<b>InchiKey:</b>	HPCWPHKAMPWKJU-VAWYXSNFSA-N
<b>Formula:</b>	C15H22O2Si
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OC(=O)C=Cc1ccccc1
<b>Mol. weight [g/mol]:</b>	262.42

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.14		Crippen Method
logp	4.248		Crippen Method
rinpol	1801.10		NIST Webbook
rinpol	1787.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U352550&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U352550&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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