

4-Methoxycinnamic acid, tert-butyldimethylsilyl ester

Other names:	4-Methoxycinnamic acid, TBDMS 4-Methoxycinnamic acid, tbdms derivative
Inchi:	InChI=1S/C16H24O3Si/c1-16(2,3)20(5,6)19-15(17)12-9-13-7-10-14(18-4)11-8-13/h7-12H
InchiKey:	WTFSSLFLLACRIS-FMIVXFBMSA-N
Formula:	C16H24O3Si
SMILES:	<chem>COc1ccc(C=CC(=O)O[Si](C)(C)C(C)(C)C)cc1</chem>
Mol. weight [g/mol]:	292.45

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.26		Crippen Method
logp	4.257		Crippen Method
rinpol	2095.40		NIST Webbook
rinpol	2085.00		NIST Webbook
rinpol	2085.00		NIST Webbook
rinpol	2095.40		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U352497&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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<https://www.chemeo.com/cid/124-857-3/4-Methoxycinnamic-acid-tert-butyldimethylsilyl-ester.pdf>

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