

# 2-Methoxycinnamic acid, tert-butyldimethylsilyl ester

**Other names:** 2-Methoxycinnamic acid, tbdms derivative

**Inchi:** InChI=1S/C16H24O3Si/c1-16(2,3)20(5,6)19-15(17)12-11-13-9-7-8-10-14(13)18-4/h7-12H

**InchiKey:** QRVMYOKYDZQZBS-VAWYXSNFSA-N

**Formula:** C16H24O3Si

**SMILES:** COc1ccccc1C=CC(=O)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 292.45

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.26		Crippen Method
logp	4.257		Crippen Method
rinpol	2027.40		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352481&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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