

# trans-2,3-Dimethoxycinnamic acid, tert-butyldimethylsilyl ester

**Other names:** 2,3-Dimethoxycinnamic acid, (e)-, tbdms derivative  
**Inchi:** InChI=1S/C17H26O4Si/c1-17(2,3)22(6,7)21-15(18)12-11-13-9-8-10-14(19-4)16(13)20-5/  
**InchiKey:** WKLSDFKEPLQCDR-VAWYXSNFSA-N  
**Formula:** C17H26O4Si  
**SMILES:** COc1cccc(C=CC(=O)O[Si](C)(C)C(C)(C)C)c1OC  
**Mol. weight [g/mol]:** 322.47

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.38		Crippen Method
logp	4.265		Crippen Method
rinsol	2161.70		NIST Webbook
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## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352432&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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