

# trans-2,3-Dimethoxycinnamic acid, trimethylsilyl ester

**Other names:** 2,3-Dimethoxycinnamic acid, (e)-, tms derivative  
**Inchi:** InChI=1S/C14H20O4Si/c1-16-12-8-6-7-11(14(12)17-2)9-10-13(15)18-19(3,4)5/h6-10H,1-  
**InchiKey:** KEOUIHVNVXUOGG-MDZDMXLPSA-N  
**Formula:** C14H20O4Si  
**SMILES:** COc1cccc(C=CC(=O)O[Si](C)(C)C)c1OC  
**Mol. weight [g/mol]:** 280.39

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.12		Crippen Method
logp	3.095		Crippen Method
rinsol	1911.60		NIST Webbook
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## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352433&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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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