

# 2-Hydroxy-3-methoxybenzaldehyde, tert-butyldimethylsilyl ether

**Other names:** O-vanillin, tbdms derivative  
**Inchi:** InChI=1S/C14H22O3Si/c1-14(2,3)18(5,6)17-13-11(10-15)8-7-9-12(13)16-4/h7-10H,1-6H3  
**InchiKey:** CBGNWUINIDQCCM-UHFFFAOYSA-N  
**Formula:** C14H22O3Si  
**SMILES:** COc1cccc(C=O)c1O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 266.41

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.10		Crippen Method
logp	3.892		Crippen Method
rinsol	1803.70		NIST Webbook
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## Sources

**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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352862&Units=SI>

## Legend

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

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