

# 1,2-Benzenedimethanethiol, S,S'-bis(tert-butyldimethylsilyl)-

**Other names:** 1,2-Benzenedimethanethiol, 2tbdms derivative  
**Inchi:** InChI=1S/C20H38S2Si2/c1-19(2,3)23(7,8)21-15-17-13-11-12-14-18(17)16-22-24(9,10)20  
**InchiKey:** YEEIICBIRFAADB-UHFFFAOYSA-N  
**Formula:** C20H38S2Si2  
**SMILES:** CC(C)(C)[Si](C)(C)SCc1ccccc1CS[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 398.82

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.12		Crippen Method
logp	8.163		Crippen Method
rinsol	2485.10		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=U353027&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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