

# 4-Chlorobenzenesulfonamide, N-tert.-butyldimethylsilyl-

**Inchi:** InChI=1S/C12H20ClNO2SSi/c1-12(2,3)18(4,5)14-17(15,16)11-8-6-10(13)7-9-11/h6-9,14  
**InchiKey:** BGCXILOAVPIFIS-UHFFFAOYSA-N  
**Formula:** C12H20ClNO2SSi  
**SMILES:** CC(C)(C)[Si](C)(C)NS(=O)(=O)c1ccc(Cl)cc1  
**Mol. weight [g/mol]:** 305.90

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.17		Crippen Method
logp	3.623		Crippen Method
rinpol	2043.00		NIST Webbook
rinpol	2043.00		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=U374827&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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