

# Chlorthalidone, tris(trimethylsilyl) derivative

**Inchi:** InChI=1S/C23H35ClN2O4SSi3/c1-32(2,3)26-31(27,28)21-16-17(14-15-20(21)24)23(30-31)22  
**InchiKey:** NWRXIBCMVUKVRB-UHFFFAOYSA-N  
**Formula:** C<sub>23</sub>H<sub>35</sub>ClN<sub>2</sub>O<sub>4</sub>SSi<sub>3</sub>  
**SMILES:** C[Si](C)(C)NS(=O)(=O)c1cc(C2(O[Si](C)(C)C)N=C(O[Si](C)(C)C)c3ccccc32)ccc1Cl  
**Mol. weight [g/mol]:** 555.31

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.51		Crippen Method
logp	6.117		Crippen Method
rinpol	2982.40		NIST Webbook
rinpol	2982.40		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=U333838&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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