

# 3-(4-Chlorophenyl)-3-trimethylsilyloxy-acrylonitril

**Other names:** 3-(4-Chlorophenyl)-2-propenenitrile-3-ol trimethylsilyl ether (isomer 1)  
**(isomer 1)**  
**InChI:** InChI=1S/C12H14ClNOSi/c1-16(2,3)15-12(8-9-14)10-4-6-11(13)7-5-10/h4-8H,1-3H3/b12  
**InchiKey:** JVWMJYOBGOEWEK-XYOKQWHBSA-N  
**Formula:** C12H14ClNOSi  
**SMILES:** C[Si](C)(C)OC(=CC#N)c1ccc(Cl)cc1  
**Mol. weight [g/mol]:** 251.78

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.15		Crippen Method
logp	4.056		Crippen Method
rinpol	1744.00		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=U378234&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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