

# 1-Butanol, picolinyloxydimethylsilyl ether

**Inchi:** InChI=1S/C12H21NO2Si/c1-4-5-9-14-16(2,3)15-11-12-7-6-8-13-10-12/h6-8,10H,4-5,9,11  
**InchiKey:** QSLMBFAIOJCXCR-UHFFFAOYSA-N  
**Formula:** C<sub>12</sub>H<sub>21</sub>NO<sub>2</sub>Si  
**SMILES:** CCCCOSi(C)(C)OCc1cccnc1  
**Mol. weight [g/mol]:** 239.39

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.44		Crippen Method
logp	3.117		Crippen Method
rinpol	1542.80		NIST Webbook
rinpol	1542.80		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=U334083&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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<https://www.chemeo.com/cid/115-043-6/1-Butanol-picolinyloxydimethylsilyl-ether.pdf>

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