

# Urea, TMS

**Inchi:** InChI=1S/C10H28N2OSi3/c1-14(2,3)11-10(12-15(4,5)6)13-16(7,8)9/h1-9H3,(H,11,12)  
**InchiKey:** KKYGMSJBYDNFGI-UHFFFAOYSA-N  
**Formula:** C10H28N2OSi3  
**SMILES:** C[Si](C)(C)N=C(N[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 276.60

## Physical Properties

Property code	Value	Unit	Source
log10ws	3.41		Crippen Method
logp	3.453		Crippen Method
rinpol	1272.00		NIST Webbook
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## 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=R594695&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/122-291-3/Urea-TMS.pdf>

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