

# «alpha»-Idofuranose, TMS

**Inchi:** InChI=1S/C23H52O6Si3/c1-22(2,3)26-17(16-24-30(7,8)9)18-19(27-23(4,5)6)20(28-31(10  
**InchiKey:** SJLZQLBWPGHMAS-XNTOXWQXSA-N  
**Formula:** C23H52O6Si3  
**SMILES:** CC(C)(C)OC(CO[Si](C)(C)C)C1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1OC(C)(C)C  
**Mol. weight [g/mol]:** 508.91

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.70		Crippen Method
logp	6.002		Crippen Method
rinpol	1896.00		NIST Webbook
rinpol	1896.00		NIST Webbook
ripol	1815.00		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=R52523&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices  
**ripol:** Polar retention indices

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