

# D-Mannose, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, O-methyloxime, 6-[bis(trimethylsilyl)

**Other names:** Mannose-6-phosphate, MEOX-6TMS  
**Inchi:** InChI=1S/C25H64NO9PSi6/c1-28-26-20-22(30-37(2,3)4)24(32-39(8,9)10)25(33-40(11,12)31)6P(=O)([O-])[O-]  
**InchiKey:** AOTDITUXOFRYQJ-UHFFFAOYSA-N  
**Formula:** C25H64NO9PSi6  
**SMILES:** CON=CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(COP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 722.26  
**CAS:** 55530-76-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.84		Crippen Method
logp	8.327		Crippen Method
rinpol	2324.00		NIST Webbook
rinpol	2324.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530762&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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