

# N-Acetyl-D-glucosamine, tetrakis(trimethylsilyl) ether, methyloxime

InChI:  
(anti)

InChI=1S/C21H50N2O6Si4/c1-17(24)23-18(15-22-25-2)20(28-32(9,10)11)21(29-33(12,13)14)

InChIKey:

CKZSFVYLUTZEAC-UHFFFAOYSA-N

Formula:

C<sub>21</sub>H<sub>50</sub>N<sub>2</sub>O<sub>6</sub>Si<sub>4</sub>

SMILES:

CON=CC(NC(C)=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]:

538.97

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.18		Crippen Method
logp	4.635		Crippen Method
rinpol	2060.50		NIST Webbook
rinpol	2060.50		NIST Webbook

## Sources

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=U380194&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

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

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