

# 1,4-Dioxane, 2,5-bis[(trimethylsilyl)oxy]-

**Other names:**

Glycolaldehyde dimer, bis(trimethylsilyl) ether  
Silane, [1,4-dioxane-2,5-diylbis(oxy)]bis[trimethyl-  
Trimethyl((5-[(trimethylsilyl)oxy]-1,4-dioxan-2-yl)oxy)silane  
1,4-Dioxane-2,5-diol, 2tms derivative

**Inchi:**

InChI=1S/C10H24O4Si2/c1-15(2,3)13-9-7-12-10(8-11-9)14-16(4,5)6/h9-10H,7-8H2,1-6H

**InchiKey:**

UGBUQRCMSNEXCF-UHFFFAOYSA-N

**Formula:**

C10H24O4Si2

**SMILES:**

C[Si](C)(C)OC1COC(O[Si](C)(C)C)CO1

**Mol. weight [g/mol]:**

264.47

**CAS:**

26205-45-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.43		Crippen Method
logp	2.388		Crippen Method
rinpol	1271.60		NIST Webbook
rinpol	1271.60		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=C26205458&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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