

# Silane, (1,1-dimethylethyl)(heptadecyloxy)dimethyl-

Other names:

tert-Butyl-heptadecoxy-dimethylsilane

tert-Butyl(heptadecyloxy)dimethylsilane

Heptadecyl tert-butyldimethylsilyl ether

1-Heptadecanol, tert-butyldimethylsilyl ether

1-Heptadecanol, tbdms derivative

Inchi: InChI=1S/C23H50OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-25(5,6)23(2

InchiKey: HOKXBFNSHMYFEY-UHFFFAOYSA-N

Formula: C23H50OSi

SMILES: CCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 370.73

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.59		Crippen Method
logp	8.880		Crippen Method
rinpol	2286.80		NIST Webbook
rinpol	2280.00		NIST Webbook
rinpol	2280.00		NIST Webbook
rinpol	2286.80		NIST Webbook
ripol	2244.00		NIST Webbook
ripol	2244.00		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=U351861&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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