

# Silane, butoxytrimethyl-

<b>Other names:</b>	Butoxytrimethylsilane Trimethylbutoxysilane 1-Butanol, O-TMS 1-Butanol, trimethylsilyl ether Butyloxytrimethylsilane Silane, trimethyl, butoxy n-Butyl trimethylsilyl ether Butyl trimethylsilyl ether
<b>Inchi:</b>	InChI=1S/C7H18OSi/c1-5-6-7-8-9(2,3)4/h5-7H2,1-4H3
<b>InchiKey:</b>	YTJUXOIAXOQWBV-UHFFFAOYSA-N
<b>Formula:</b>	C7H18OSi
<b>SMILES:</b>	CCCCO[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	146.30
<b>CAS:</b>	1825-65-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.11		Crippen Method
logp	2.638		Crippen Method
rinpol	793.60		NIST Webbook
rinpol	798.70		NIST Webbook
rinpol	800.00		NIST Webbook
rinpol	798.70		NIST Webbook
rinpol	800.00		NIST Webbook
ripol	836.00		NIST Webbook
ripol	836.00		NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	38.50	kJ/mol	370.50	NIST Webbook

# Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=C1825656&Units=SI>

# Legend

**hvapt:** Enthalpy of vaporization at a given temperature  
**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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