

Silane, methoxytrimethyl-

Other names:	Methoxytrimethylsilane Methyl trimethylsilyl ether Trimethylmethoxysilane (CH ₃) ₃ SiOCH ₃ Silane, trimethyl, methoxy
Inchi:	InChI=1S/C4H12OSi/c1-5-6(2,3)4/h1-4H3
InchiKey:	POPACFLNWGUDSR-UHFFFAOYSA-N
Formula:	C ₄ H ₁₂ OSi
SMILES:	CO[Si](C)(C)C
Mol. weight [g/mol]:	104.22
CAS:	1825-61-2

Physical Properties

Property code	Value	Unit	Source
affp	847.00	kJ/mol	NIST Webbook
basg	814.60	kJ/mol	NIST Webbook
ie	9.79 ± 0.04	eV	NIST Webbook
ie	9.61	eV	NIST Webbook
log10ws	1.37		Crippen Method
logp	1.468		Crippen Method
rinpol	506.00		NIST Webbook
rinpol	562.00		NIST Webbook
rinpol	563.00		NIST Webbook
rinpol	562.00		NIST Webbook
rinpol	506.00		NIST Webbook
rinpol	506.00		NIST Webbook
tb	330.50 ± 0.50	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1825612&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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