

Silane, trimethylpropoxy-

Other names:	Propoxytrimethylsilane Trimethyl-n-propoxysilane Trimethylpropoxysilane 1-Propanol, O-TMS Propyloxytrimethylsilane
Inchi:	InChI=1S/C6H16OSi/c1-5-6-7-8(2,3)4/h5-6H2,1-4H3
InchiKey:	PHPGKIATZDCVHL-UHFFFAOYSA-N
Formula:	C6H16OSi
SMILES:	CCCO[Si](C)(C)C
Mol. weight [g/mol]:	132.28
CAS:	1825-63-4

Physical Properties

Property code	Value	Unit	Source
hvac	34.30 ± 0.60	kJ/mol	NIST Webbook
hvac	34.30 ± 0.30	kJ/mol	NIST Webbook
log10ws	0.53		Crippen Method
logp	2.248		Crippen Method
rinpol	705.00		NIST Webbook
rinpol	705.00		NIST Webbook
rinpol	705.00		NIST Webbook
ripol	730.00		NIST Webbook
ripol	730.00		NIST Webbook
ripol	730.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1825634&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap:	Enthalpy of vaporization at standard conditions
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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