

Silane, trimethyl(pentyloxy)-

Other names:	n-Pentyloxytrimethylsilane Trimethyl(pentyloxy)silane Pentyl trimethylsilyl ether 1-Pentanol, O-TMS Pentyloxytrimethylsilane 1-Pentanol, tms derivative
Inchi:	InChI=1S/C8H20OSi/c1-5-6-7-8-9-10(2,3)4/h5-8H2,1-4H3
InchiKey:	UABFFWVEXACZGD-UHFFFAOYSA-N
Formula:	C8H20OSi
SMILES:	CCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	160.33
CAS:	14629-45-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.31		Crippen Method
logp	3.028		Crippen Method
rinpol	887.00		NIST Webbook
rinpol	890.90		NIST Webbook
rinpol	900.00		NIST Webbook
rinpol	900.00		NIST Webbook
rinpol	887.00		NIST Webbook
rinpol	900.00		NIST Webbook
ripol	910.00		NIST Webbook
ripol	921.00		NIST Webbook
ripol	921.00		NIST Webbook
ripol	921.00		NIST Webbook
ripol	910.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14629459&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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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