Silane, trimethyl(4-methylphenoxy)-

Other names:	Silane, trimethyl(p-tolyloxy)-
	Trimethyl(p-methylphenoxy)silane
	Trimethyl(p-tolyloxy)silane
	4-Methylphenyl trimethylsilyl ether
	p-Cresol, trimethylsilyl ether
	4-Methylphenol, TMS ether
	Phenol, 4-methyl, TMS
	4-Methylphenol, TMS
	p-Cresol, TMS
	p-tolyl trimethylsilyl ether
Inchi:	InChI=1S/C10H16OSi/c1-9-5-7-10(8-6-9)11-12(2,3)4/h5-8H,1-4H3
InchiKey:	KWNZPYGXIBVQKX-UHFFFAOYSA-N
Formula:	C10H16OSi
SMILES:	Cc1ccc(O[Si](C)(C)C)cc1
Mol. weight [g/mol]:	180.32
CAS:	17902-32-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.96		Crippen Method
logp	3.209		Crippen Method
rinpol	1152.00		NIST Webbook
rinpol	1154.00		NIST Webbook
rinpol	1138.00		NIST Webbook
rinpol	1129.00		NIST Webbook
rinpol	1136.00		NIST Webbook
rinpol	1136.00		NIST Webbook
rinpol	1150.00		NIST Webbook
rinpol	1136.00		NIST Webbook
rinpol	1138.00		NIST Webbook
rinpol	1150.00		NIST Webbook
rinpol	1138.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	49.80	kJ/mol	388.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17902328&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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