Silane, trimethyl(3-methylphenoxy)-

Other names:	Silane, trimethyl(m-tolyloxy)-
	Trimethyl(m-tolyloxy)silane
	3-Methylphenyl trimethylsilyl ether
	3-Methyl-1-trimethylsilyloxybenzene
	3-Methylphenol, TMS ether
	3-Methylphenol, TMS
	m-tolyl trimethylsilyl ether
Inchi:	InChI=1S/C10H16OSi/c1-9-6-5-7-10(8-9)11-12(2,3)4/h5-8H,1-4H3
InchiKey:	UYBLRZBUAXYZQO-UHFFFAOYSA-N
Formula:	C10H16OSi
SMILES:	Cc1cccc(O[Si](C)(C)C)c1
Mol. weight [g/mol]:	180.32
CAS:	17902-31-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.96		Crippen Method
logp	3.209		Crippen Method
rinpol	1117.00		NIST Webbook
rinpol	1134.00		NIST Webbook
rinpol	1140.00		NIST Webbook
rinpol	1117.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	49.70	kJ/mol	384.50	NIST Webbook

Sources

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

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17902317&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