Silane, (4-methoxyphenyl)trimethyl-

Other names:	Silane, (p-methoxyphenyl)trimethyl- (p-Methoxyphenyl)trimethylsilane (4-Methoxyphenyl)trimethylsilane
Inchi:	InChI=1S/C10H16OSi/c1-11-9-5-7-10(8-6-9)12(2,3)4/h5-8H,1-4H3
InchiKey:	XYZOPPYWEMJIAD-UHFFFAOYSA-N
Formula:	C10H16OSi
SMILES:	COc1ccc([Si](C)(C)C)cc1
Mol. weight [g/mol]:	180.32
CAS:	877-68-9

Physical Properties

Property code	Value	Unit	Source
hvap	56.90 ± 0.80	kJ/mol	NIST Webbook
ie	8.03	eV	NIST Webbook
ie	8.47	eV	NIST Webbook
log10ws	-4.26		Crippen Method
logp	2.240		Crippen Method
rinpol	1142.00		NIST Webbook
rinpol	1142.00		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=C877689&Units=SI

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices