Silane, (2,6-dimethylphenoxy)trimethyl-

Other names:	Silane, trimethyl(2,6-xylyloxy)-
	(2,6-Dimethylphenoxy)(trimethyl)silane
	2,6-Dimethylphenol, TMS ether
	Phenol, 2,6-dimethyl, TMS
	Trimethyl-2,6-dimethylphenoxysilane
	2,6-Dimethylphenol, TMS
	2,6-Dimethylphenol, trimethylsilyl ether
	2,6-Dimethylphenol, tms derivative
Inchi:	InChI=1S/C11H18OSi/c1-9-7-6-8-10(2)11(9)12-13(3,4)5/h6-8H,1-5H3
InchiKey:	MNBNTAKLVREHDB-UHFFFAOYSA-N
Formula:	C11H18OSi
SMILES:	Cc1cccc(C)c1O[Si](C)(C)C
Mol. weight [g/mol]:	194.35
CAS:	16286-54-7

Physical Properties

Property code	Value	Unit	Source
af	0.4444		Cheméo Relay (1.0)
gf	16.96	kJ/mol	Cheméo Relay (1.0, beta)
hf	-313.28	kJ/mol	Cheméo Relay (1.0)
hvap	56.87	kJ/mol	Cheméo Relay (1.0)
ie	8.63	eV	Cheméo Relay (1.0)
log10ws	-2.74		Cheméo Relay (1.0)
logp	3.517		Crippen Method
pc	1987.49	kPa	Cheméo Relay (1.0, beta)
rinpol	1243.00		NIST Webbook
rinpol	1223.00		NIST Webbook
rinpol	1243.00		NIST Webbook
tb	483.46	K	Cheméo Relay (1.0)
tc	681.85	K	Cheméo Relay (1.0)
tf	253.34	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C16286547&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point

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