

Phenyl-pentamethyl-disiloxane

Other names:	1,1,1,3,3-Pentamethyl-3-phenyldisiloxane Pentamethyl-1-phenyldisiloxane Pentamethylphenyl disiloxane
Inchi:	InChI=1S/C11H20OSi2/c1-13(2,3)12-14(4,5)11-9-7-6-8-10-11/h6-10H,1-5H3
InchiKey:	AMNQQNTZDFYVGH-UHFFFAOYSA-N
Formula:	C11H20OSi2
SMILES:	C[Si](C)(C)O[Si](C)(C)c1ccccc1
Mol. weight [g/mol]:	224.45
CAS:	14920-92-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.70		Crippen Method
logp	2.950		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	53.30	kJ/mol	410.50	NIST Webbook
hvapt	44.40	kJ/mol	410.50	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14920924&Units=SI

Legend

hvapt: Enthalpy of vaporization at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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