Silane, diethoxydiphenyl-

Other names:	Diphenyldiethoxysilane
	Diethoxydiphenylsilane
	CD6000
Inchi:	InChI=1S/C16H20O2Si/c1-3-17-19(18-4-2,15-11-7-5-8-12-15)16-13-9-6-10-14-16/h5-14H
InchiKey:	ZZNQQQWFKKTOSD-UHFFFAOYSA-N
Formula:	C16H20O2Si
SMILES:	CCO[Si](OCC)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	272.41
CAS:	2553-19-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.49		Crippen Method
logp	2.316		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	71.50	kJ/mol	477.00	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	440.00	K	2.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2553197&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
tbrp:	Boiling point at reduced pressure

Latest version available from:

https://www.chemeo.com/cid/19-095-6/Silane-diethoxydiphenyl.pdf

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