

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

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=C2553197&Units=SI>

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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