

Dichloro(diethoxy)silane

Other names:	Silane, dichlorodiethoxy-
Inchi:	InChI=1S/C4H10Cl2O2Si/c1-3-7-9(5,6)8-4-2/h3-4H2,1-2H3
InchiKey:	UFCXHBIETZKGHB-UHFFFAOYSA-N
Formula:	C4H10Cl2O2Si
SMILES:	CCO[Si](Cl)(Cl)OCC
Mol. weight [g/mol]:	189.11
CAS:	4667-38-3

Physical Properties

Property code	Value	Unit	Source
ie	10.78	eV	NIST Webbook
log10ws	0.23		Crippen Method
logp	1.973		Crippen Method
rinpol	830.00		NIST Webbook
rinpol	819.00		NIST Webbook
rinpol	783.00		NIST Webbook
rinpol	781.00		NIST Webbook
rinpol	830.00		NIST Webbook
rinpol	830.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C4667383&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/27-951-6/Dichloro-diethoxy-silane.pdf>

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