

# Silane, diethyldifluoro-

Other names:	Diethyldifluorosilane
Inchi:	InChI=1S/C4H10F2Si/c1-3-7(5,6)4-2/h3-4H2,1-2H3
InchiKey:	OJBGGLLCYJYHPG-UHFFFAOYSA-N
Formula:	C4H10F2Si
SMILES:	CC[Si](F)(F)CC
Mol. weight [g/mol]:	124.20
CAS:	358-06-5

## Physical Properties

Property code	Value	Unit	Source
ie	10.50	eV	NIST Webbook
log10ws	0.16		Crippen Method
logp	2.407		Crippen Method

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.35726e+01
Coeff. B	-2.45597e+03
Coeff. C	-5.98700e+01
Temperature range (K), min.	244.00
Temperature range (K), max.	357.16

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C358065&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C358065&amp;Units=SI</a>
The Yaws Handbook of Vapor Pressure:	<a href="https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure">https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>pvap:</b>	Vapor pressure

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