

Silane, trihexyl-

Other names:	Trihexylsilane tri-n-Hexylsilane
Inchi:	InChI=1S/C18H40Si/c1-4-7-10-13-16-19(17-14-11-8-5-2)18-15-12-9-6-3/h19H,4-18H2,1-
InchiKey:	IBNSYFQZHBBNLR-UHFFFAOYSA-N
Formula:	C18H40Si
SMILES:	CCCCC[SiH](CCCCC)CCCCC
Mol. weight [g/mol]:	284.60
CAS:	2929-52-4

Physical Properties

Property code	Value	Unit	Source
hvap	51.00 ± 0.70	kJ/mol	NIST Webbook
log10ws	-4.61		Crippen Method
logp	6.954		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	433.50 ± 0.50	K	0.70	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2929524&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
t_{brp}:	Boiling point at reduced pressure

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