Silane, 1,3-propanediylbis[trimethyl-

Inchi: InChI=1S/C9H24Si2/c1-10(2,3)8-7-9-11(4,5)6/h7-9H2,1-6H3
InchiKey: YMPSYNWHUIOPJH-UHFFFAOYSA-N
Formula: C9H24Si2
SMILES: C[Si](C)(C)CCC[Si](C)(C)C
Mol. weight [g/mol]: 188.46
CAS: 2295-05-8

Physical Properties

Property code	Value	Unit	Source
ie	9.41	eV	NIST Webbook
log10ws	1.47		Crippen Method
logp	4.053		Crippen Method
ss	517.14	J/mol×K	NIST Webbook
tt	223.73 ± 0.05	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	394.34	J/mol×K	298.15	NIST Webbook
hfust	16.05	kJ/mol	223.70	NIST Webbook
hfust	16.06	kJ/mol	223.73	NIST Webbook
hvapt	43.09	kJ/mol	444.52	NIST Webbook
hvapt	43.10 ± 0.50	kJ/mol	390.50	NIST Webbook
sfust	71.76	J/mol×K	223.73	NIST Webbook
svapt	96.99	J/mol×K	444.52	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2295058&Units=SI

Legend

cps:	Solid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
sfust:	Entropy of fusion at a given temperature
ss:	Solid phase molar entropy at standard conditions
svapt:	Entropy of vaporization at a given temperature
tt:	Triple Point Temperature