Digermane, hexaethyl-

Other names:	Hexaethyldigermane
	((C2H5)3Ge)2
	Hexaethyldigermanium
Inchi:	InChI=1S/C12H30Ge2/c1-7-13(8-2,9-3)14(10-4,11-5)12-6/h7-12H2,1-6H3
InchiKey:	KAZJJJFSTXNXEO-UHFFFAOYSA-N
Formula:	C12H30Ge2
SMILES:	CC[Ge](CC)(CC)[Ge](CC)(CC)CC
Mol. weight [g/mol]:	319.65
CAS:	993-62-4

Physical Properties

Property code	Value	Unit	Source
chl	-9711.10 ± 8.40	kJ/mol	NIST Webbook
hf	-313.70 ± 9.70	kJ/mol	NIST Webbook
hfl	-376.50 ± 9.50	kJ/mol	NIST Webbook
hvap	62.80 ± 2.10	kJ/mol	NIST Webbook
ie	7.48 ± 0.01	eV	NIST Webbook
ie	7.48 ± 0.01	eV	NIST Webbook
ie	7.40 ± 0.20	eV	NIST Webbook
ie	8.33	eV	NIST Webbook
log10ws	0.04		Crippen Method
logp	5.082		Crippen Method

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=C993624&Units=SI

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient