

# Digermane, hexaethyl-

<b>Other names:</b>	Hexaethyldigermane ((C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Ge) <sub>2</sub> Hexaethyldigermanium
<b>Inchi:</b>	InChI=1S/C12H30Ge2/c1-7-13(8-2,9-3)14(10-4,11-5)12-6/h7-12H2,1-6H3
<b>InchiKey:</b>	KAZJJFSTXNXEO-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>12</sub> H <sub>30</sub> Ge <sub>2</sub>
<b>SMILES:</b>	CC[Ge](CC)(CC)[Ge](CC)(CC)CC
<b>Mol. weight [g/mol]:</b>	319.65
<b>CAS:</b>	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

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C993624&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C993624&amp;Units=SI</a>

## Legend

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

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