

# Digermane, hexaphenyl-

**Other names:** Hexaphenyldigermane  
**Inchi:** InChI=1S/C36H30Ge2/c1-7-19-31(20-8-1)37(32-21-9-2-10-22-32,33-23-11-3-12-24-33)3  
**InchiKey:** MZZSGDPNYJAKCA-UHFFFAOYSA-N  
**Formula:** C36H30Ge2  
**SMILES:** c1ccc([Ge](c2ccccc2)(c2ccccc2)[Ge](c2ccccc2)(c2ccccc2)c2ccccc2)cc1  
**Mol. weight [g/mol]:** 607.90  
**CAS:** 2816-39-9

## Physical Properties

Property code	Value	Unit	Source
chs	-20010.00 ± 11.00	kJ/mol	NIST Webbook
hf	656.00 ± 12.00	kJ/mol	NIST Webbook
hfs	446.00 ± 12.00	kJ/mol	NIST Webbook
hsub	209.20 ± 4.20	kJ/mol	NIST Webbook
hsub	209.20 ± 4.20	kJ/mol	NIST Webbook
log10ws	-28.49		Crippen Method
logp	4.406		Crippen Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2816399&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**chs:** Standard solid enthalpy of combustion  
**hf:** Enthalpy of formation at standard conditions  
**hfs:** Solid phase enthalpy of formation at standard conditions  
**hsub:** Enthalpy of sublimation at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

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