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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2816399&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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