Diphenylgermane

Inchi: InChI=1S/C12H12Ge/c1-3-7-11(8-4-1)13-12-9-5-2-6-10-12/h1-10H,13H2
InchiKey: RQAOPXAHIPYOBI-UHFFFAOYSA-N
Formula: C12H12Ge
SMILES: c1ccc([GeH2]c2ccccc2)cc1
Mol. weight [g/mol]: 228.86
CAS: 1675-58-7

Physical Properties

Property code	Value	Unit	Source
chl	-7214.00 ± 3.30	kJ/mol	NIST Webbook
hfl	237.90 ± 4.20	kJ/mol	NIST Webbook
log10ws	-8.04		Crippen Method
logp	0.806		Crippen Method
sl	337.90	J/mol×K	NIST Webbook
tf	240.00 ± 0.10	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	287.30	J/mol×K	298.15	NIST Webbook
hfust	11.91	kJ/mol	239.44	NIST Webbook
hfust	11.91	kJ/mol	240.20	NIST Webbook
sfust	49.74	J/mol×K	239.44	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1675587&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
cpl:	Liquid phase heat capacity
hfl:	Liquid phase enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions
tf:	Normal melting (fusion) point