

Germane, tetrapropyl-

Other names:	Tetrapropylgermane tetra-n-Propylgermanium Tetrapropylgermanium
Inchi:	InChI=1S/C12H28Ge/c1-5-9-13(10-6-2,11-7-3)12-8-4/h5-12H2,1-4H3
InchiKey:	XSYFWJCOPKYIQN-UHFFFAOYSA-N
Formula:	C12H28Ge
SMILES:	CCC[Ge](CCC)(CCC)CCC
Mol. weight [g/mol]:	244.99
CAS:	994-65-0

Physical Properties

Property code	Value	Unit	Source
chl	-8972.60 ± 2.00	kJ/mol	NIST Webbook
hf	-228.60 ± 5.30	kJ/mol	NIST Webbook
hfl	-290.10 ± 3.30	kJ/mol	NIST Webbook
hvap	61.50 ± 4.20	kJ/mol	NIST Webbook
log10ws	-2.31		Crippen Method
logp	5.075		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	54.70	kJ/mol	423.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C994650&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
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

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