

Phenyltrichlorogermane

Other names:	Germanium phenyl trichloride Germane, trichlorophenyl- trichlorophenylgermane
Inchi:	InChI=1S/C6H5Cl3Ge/c7-10(8,9)6-4-2-1-3-5-6/h1-5H
InchiKey:	CIWQSBMDFPABPQ-UHFFFAOYSA-N
Formula:	C6H5Cl3Ge
SMILES:	Cl[Ge](Cl)(Cl)c1ccccc1
Mol. weight [g/mol]:	256.10
CAS:	1074-29-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.09		Crippen Method
logp	2.549		Crippen Method
ss	339.90	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	55.40	kJ/mol	408.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1074299&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
ss:	Solid phase molar entropy at standard conditions

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