Stannane, tetrapropyl-

Other names:	Tetrapropyltin
	Tetrapropylstannane
	(C3H7)4Sn
	tetra-n-Propyltin
	Tin, tetrapropyl-
Inchi:	InChI=1S/4C3H7.Sn/c4*1-3-2;/h4*1,3H2,2H3;
InchiKey:	OIQCWAIEHVRCCG-UHFFFAOYSA-N
Formula:	C12H28Sn
SMILES:	CCC[Sn](CCC)(CCC)CCC
Mol. weight [g/mol]:	291.06
CAS:	2176-98-9

Physical Properties

Property code	Value	Unit	Source
chl	-9093.10 ± 5.00	kJ/mol	NIST Webbook
chl	-9106.10 ± 5.90	kJ/mol	NIST Webbook
chl	-9050.00	kJ/mol	NIST Webbook
hf	-142.90 ± 5.90	kJ/mol	NIST Webbook
hf	-129.90 ± 6.60	kJ/mol	NIST Webbook
hf	-186.00	kJ/mol	NIST Webbook
hfl	-208.30 ± 5.30	kJ/mol	NIST Webbook
hfl	-195.30 ± 6.10	kJ/mol	NIST Webbook
hfl	-251.40	kJ/mol	NIST Webbook
hvap	65.40 ± 2.50	kJ/mol	NIST Webbook
hvap	65.40 ± 2.50	kJ/mol	NIST Webbook
ie	8.82	eV	NIST Webbook
rinpol	1327.00		NIST Webbook
rinpol	1326.00		NIST Webbook
rinpol	1329.00		NIST Webbook
rinpol	1325.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

hvapt	55.00 ± 0.70	kJ/mol	400.00	NIST Webbook
hvapt	60.80	kJ/mol	363.00	NIST Webbook
hvapt	52.50	kJ/mol	415.50	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2176989&Units=SI

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
ie: Ionization energy
rinpol: Non-polar retention indices