Bismuthine, triethyl-

Other names: Triethylbismuth
triethylbismuthine
Inchi: InChI=1S/3C2H5.Bi/c3*1-2;/h3*1H2,2H3;
InchiKey: FPYOWXFLVWSKPS-UHFFFAOYSA-N
Formula: C6H15Bi
SMILES: CC[Bi](CC)CC
Mol. weight [g/mol]: 296.16
CAS: 617-77-6

Physical Properties

Property code	Value	Unit	Source
chl	-4961.00 ± 17.00	kJ/mol	NIST Webbook
hf	216.00 ± 17.00	kJ/mol	NIST Webbook
hfl	170.00 ± 17.00	kJ/mol	NIST Webbook
hvap	46.00 ± 4.20	kJ/mol	NIST Webbook
sl	379.00	J/mol×K	NIST Webbook
tt	145.80 ± 0.10	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	242.20	J/mol×K	298.15	NIST Webbook
hfust	8.70	kJ/mol	145.80	NIST Webbook
hfust	8.70	kJ/mol	145.80	NIST Webbook
hfust	8.70	kJ/mol	145.80	NIST Webbook
hvapt	43.90	kJ/mol	322.00	NIST Webbook
sfust	59.64	J/mol×K	145.80	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C617776&Units=SI

Legend

chl:	Standard liquid enthalpy of combustion
cpl:	Liquid phase heat capacity
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions
tt:	Triple Point Temperature