Plumbane, tetraphenyl-

Other names:	Tetraphenyllead
	Tetraphenylplumbane
	Lead, tetraphenyl-,
Inchi:	InChI=1S/4C6H5.Pb/c4*1-2-4-6-5-3-1;/h4*1-5H;
InchiKey:	WBJSMHDYLOJVKC-UHFFFAOYSA-N
Formula:	C24H20Pb
SMILES:	c1ccc([Pb](c2ccccc2)(c2ccccc2)c2ccccc2)cc1
Mol. weight [g/mol]:	515.60
CAS:	595-89-1

Physical Properties

Property code	Value	Unit	Source
chs	-13036.00 ± 15.00	kJ/mol	NIST Webbook
hf	674.00 ± 15.00	kJ/mol	NIST Webbook
hfs	515.00 ± 15.00	kJ/mol	NIST Webbook
hsub	194.60 ± 6.30	kJ/mol	NIST Webbook
hsub	159.00 ± 1.00	kJ/mol	NIST Webbook
hsub	159.00 ± 1.00	kJ/mol	NIST Webbook
hsub	82.80	kJ/mol	NIST Webbook
ie	8.00	eV	NIST Webbook
ie	8.95	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	151.00	kJ/mol	446.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C595891&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy