Stibine, triphenyl-

Other names:	Triphenylantimony
	Triphenylstibine
	Trifenylstibin
	Triphenylstibane
Inchi:	InChI=1S/3C6H5.Sb/c3*1-2-4-6-5-3-1;/h3*1-5H;
InchiKey:	HVYVMSPIJIWUNA-UHFFFAOYSA-N
Formula:	C18H15Sb
SMILES:	c1ccc([Sb](c2ccccc2)c2ccccc2)cc1
Mol. weight [g/mol]:	353.07
CAS:	603-36-1

Physical Properties

Property code	Value	Unit	Source
affp	845.50	kJ/mol	NIST Webbook
basg	813.10	kJ/mol	NIST Webbook
chs	-10010.00 ± 17.00	kJ/mol	NIST Webbook
hf	435.00 ± 19.00	kJ/mol	NIST Webbook
hfs	329.00 ± 17.00	kJ/mol	NIST Webbook
hsub	106.30 ± 8.40	kJ/mol	NIST Webbook
hsub	106.30 ± 8.40	kJ/mol	NIST Webbook
ie	7.26 ± 0.05	eV	NIST Webbook
ie	7.80 ± 0.01	eV	NIST Webbook
ie	7.30 ± 0.10	eV	NIST Webbook
ie	8.08 ± 0.05	eV	NIST Webbook
tf	328.20 ± 0.50	K	NIST Webbook
tf	325.15 ± 1.50	K	NIST Webbook
tf	321.15 ± 1.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	83.30	kJ/mol	528.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C603361&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
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
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
tf:	Normal melting (fusion) point