Diselenide, diphenyl

Other names:	Phenyl diselenide
	Diphenyl diselenide
	Bis(phenylselenide)
Inchi:	InChI=1S/C12H10Se2/c1-3-7-11(8-4-1)13-14-12-9-5-2-6-10-12/h1-10H
InchiKey:	YWWZCHLUQSHMCL-UHFFFAOYSA-N
Formula:	C12H10Se2
SMILES:	c1ccc([Se][Se]c2ccccc2)cc1
Mol. weight [g/mol]:	312.13
CAS:	1666-13-3

Physical Properties

Property code	Value	Unit	Source
chs	-6715.30 ± 2.80	kJ/mol	NIST Webbook
hf	237.00 ± 11.00	kJ/mol	NIST Webbook
hfs	120.60 ± 8.20	kJ/mol	NIST Webbook
log10ws	-6.26		Crippen Method
logp	0.961		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	116.70 ± 2.50	kJ/mol	302.80	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1666133&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
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient