

# Diselenide, diphenyl

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

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1666133&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1666133&amp;Units=SI</a>

# Legend

<b>chs:</b>	Standard solid enthalpy of combustion
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfs:</b>	Solid phase enthalpy of formation at standard conditions
<b>hsubt:</b>	Enthalpy of sublimation at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

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