

Diselenide, bis(phenylmethyl)

Other names:	Benzyl diselenide Dibenzyl diselenide Dibenzyl diselenium
Inchi:	InChI=1S/C14H14Se2/c1-3-7-13(8-4-1)11-15-16-12-14-9-5-2-6-10-14/h1-10H,11-12H2
InchiKey:	HYAVEDMFTNAZQE-UHFFFAOYSA-N
Formula:	C14H14Se2
SMILES:	<chem>c1ccc(C[Se][Se]Cc2ccccc2)cc1</chem>
Mol. weight [g/mol]:	340.18
CAS:	1482-82-2

Physical Properties

Property code	Value	Unit	Source
chs	-8128.00 ± 3.00	kJ/mol	NIST Webbook
hf	301.00 ± 4.20	kJ/mol	NIST Webbook
hfs	171.00 ± 3.00	kJ/mol	NIST Webbook
log10ws	0.69		Crippen Method
logp	2.710		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	130.50	kJ/mol	310.50	NIST Webbook
hsubt	131.00 ± 0.80	kJ/mol	327.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1482822&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

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