

Carbo selenide

Other names:	Thiocarbonyl selenide Carbon sulfide selenide
Inchi:	InChI=1S/CSSe/c2-1-3
InchiKey:	UGVGOQWEDNFDPF-UHFFFAOYSA-N
Formula:	CSSe
SMILES:	S=C=[Se]
Mol. weight [g/mol]:	123.04
CAS:	5951-19-9

Physical Properties

Property code	Value	Unit	Source
ie	9.58	eV	NIST Webbook
ie	9.58 ± 0.01	eV	NIST Webbook
log10ws	1.80		Crippen Method
logp	-0.011		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	35.50	kJ/mol	292.50	NIST Webbook
hvapt	33.60	kJ/mol	315.00	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=C5951199&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/42-221-9/Carbo-selenide.pdf>

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