

Dimethyl diselenide

Other names:	(CH3Se) ₂ Dimethyl diselenide Diselenide, dimethyl
Inchi:	InChI=1S/C2H6Se2/c1-3-4-2/h1-2H3
InchiKey:	VLXBWPOEOIIREY-UHFFFAOYSA-N
Formula:	C2H6Se2
SMILES:	C[Se][Se]C
Mol. weight [g/mol]:	187.99

Physical Properties

Property code	Value	Unit	Source
hvap	42.00 ± 1.00	kJ/mol	NIST Webbook
ie	8.10	eV	NIST Webbook
ie	8.10	eV	NIST Webbook
ie	8.52	eV	NIST Webbook
ie	8.56	eV	NIST Webbook
ie	8.56	eV	NIST Webbook
logp	0.406		Crippen Method
rinpol	889.00		NIST Webbook
rinpol	848.00		NIST Webbook
rinpol	889.00		NIST Webbook
sl	261.40	J/mol×K	NIST Webbook
tb	371.17	K	Cheméo Relay (1.0)
tt	190.89 ± 0.01	K	NIST Webbook
tt	190.89 ± 0.01	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	155.00	J/mol×K	298.15	NIST Webbook
hfust	8.54	kJ/mol	190.89	NIST Webbook
hfust	8.55	kJ/mol	190.80	NIST Webbook
hfust	8.54	kJ/mol	190.89	NIST Webbook
hvapt	74.90	kJ/mol	300.50	NIST Webbook

sfust	44.76	J/mol×K	190.89	NIST Webbook
sfust	44.76	J/mol×K	190.89	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7101317&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpl:	Liquid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions
tb:	Normal Boiling Point Temperature
tt:	Triple Point Temperature

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