

germanium diiodide

Inchi:	InChI=1S/GeI2/c2-1-3
InchiKey:	IAGYEMVJHPEPGE-UHFFFAOYSA-N
Formula:	GeI2
SMILES:	I[Ge]I
Mol. weight [g/mol]:	326.45
CAS:	13573-08-5

Physical Properties

Property code	Value	Unit	Source
hsub	76.50 ± 5.70	kJ/mol	NIST Webbook
hsub	87.00 ± 3.00	kJ/mol	NIST Webbook
hsub	87.00 ± 3.00	kJ/mol	NIST Webbook
ie	9.08 ± 0.03	eV	NIST Webbook
ie	8.90	eV	NIST Webbook
log10ws	-0.42		Crippen Method
logp	1.391		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	33.30	kJ/mol	701.20	NIST Webbook
hfust	19.10	kJ/mol	419.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13573085&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/46-339-5/germanium-diiodide.pdf>

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