

Bis(cyclopentadienyl)hafnium dichloride

Other names:	Hafnocene dichloride bis(«eta»5-Cyclopentadienyl)hafnium dichloride Hafnium, dichlorobis(«eta»(5)-2,4-cyclopentadien-1-yl)- Dichlorobis(«eta»-cyclopentadienyl)hafnium Dichlorodi-«pi»-cyclopentadienylhafnium Dichlorodicyclopentadienylhafnium Dicyclopentadienylhafnium dichloride Hafnium dicyclopentadiene dichloride Hafnium, dichlorodi-«pi»-cyclopentadienyl- Bis(cyclopentadienyl)hafnium(IV) dichloride NSC 102788 dichlorobis(«eta»5-cyclopenta-2,4-dien-1-yl)hafnium
Inchi:	InChI=1S/2C5H5.2ClH.Hf/c2*1-2-4-5-3-1;;;/h2*1-5H;2*1H;/q;;;+2/p-2
InchiKey:	UHCOEQZUSAFLHQ-UHFFFAOYSA-L
Formula:	C10H10Cl2Hf
SMILES:	Cl[Hf](Cl)(C1C=CC=C1)C1C=CC=C1
Mol. weight [g/mol]:	379.58
CAS:	12116-66-4

Physical Properties

Property code	Value	Unit	Source
chs	-5991.50 ± 2.50	kJ/mol	NIST Webbook
hf	-428.40 ± 4.30	kJ/mol	NIST Webbook
hfs	-535.10 ± 3.80	kJ/mol	NIST Webbook
hsub	107.30 ± 2.40	kJ/mol	NIST Webbook
hsub	110.20 ± 2.90	kJ/mol	NIST Webbook
hsub	106.70 ± 2.10	kJ/mol	NIST Webbook
hsub	106.70 ± 2.10	kJ/mol	NIST Webbook
ie	8.90 ± 0.10	eV	NIST Webbook
ie	8.87 ± 0.05	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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hsubt

100.30

kJ/mol

420.50

NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C12116664&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
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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